

J. S. McCOMB.
SUPPORT FOR LOOSE LEAF BINDERS.
APPLICATION FILED OCT. 6, 1908.

940,707.

Patented Nov. 23, 1909.

Fig. 1.

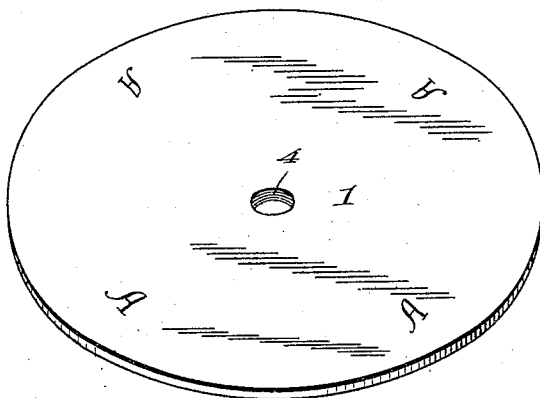


Fig. 5.

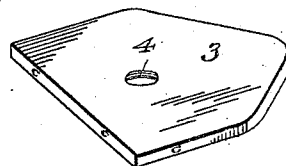


Fig. 4.

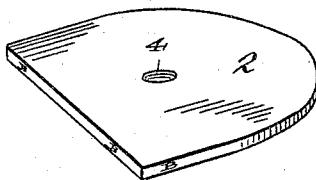


Fig. 2.

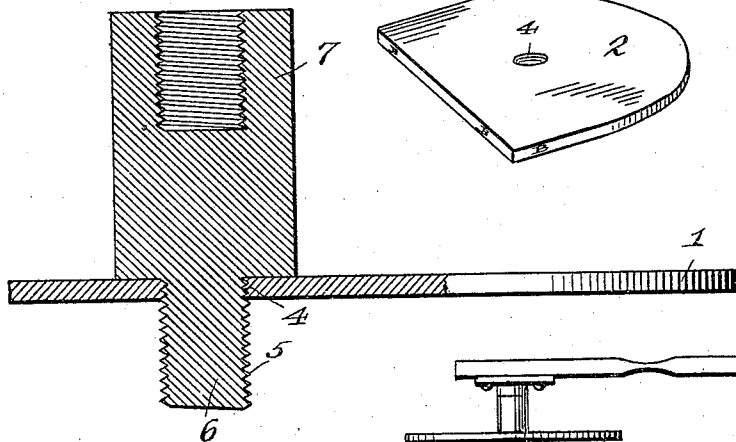
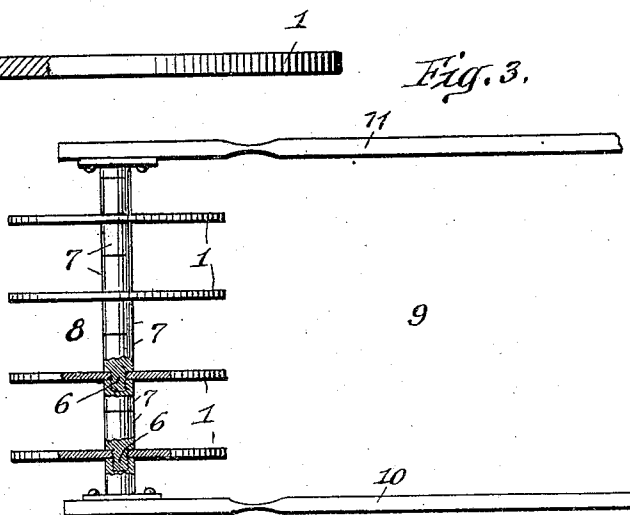


Fig. 3.



WITNESSES:

St. L. Rocher
Olea B. Franke

J. S. McComb
INVENTOR
BY
Alban M. Johnson
ATTORNEY

UNITED STATES PATENT OFFICE.

JENNINGS SCOTT McCOMB, OF DOBBS FERRY, NEW YORK.

SUPPORT FOR LOOSE-LEAF BINDERS.

940,707.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JENNINGS SCOTT McCOMB, a citizen of the United States, and a resident of Dobbs Ferry, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Supports for Loose-Leaf Binders, of which the following is a specification, taken in connection with the accompanying drawing, which forms a part of the same.

This invention relates to loose leaf binders and more particularly to supports or disks which are adapted to be used with the ordinary extensible pillars or posts of a loose leaf binder, and are preferably provided with some locking means which are adapted to cooperate with the locking means carried by the different units of the extensible pillars or posts. These supports may be in the form of disks and are adapted to support the contents of the binder at intermediate points along the length of the ordinary extensible pillar or post now on the market and can be attached and detached therefrom as needed; they may also receive proper designating marks permitting them to act as a rear index of the binder, if one is desired.

In the accompanying drawing showing illustrative embodiments of this invention and in which the same reference numeral refers to similar parts in the several figures, Figure 1 is a perspective view of one of my supports or individual disks. Figs. 2 is a longitudinal vertical section through a unit of an ordinary extensible pillar or post and through my support or disk. Fig. 3 is a side elevation of a binder showing cooperating units formed into a pillar or post, the figure being partly broken away for purposes of better illustration. Fig. 4 is a perspective view of a modified form of support or disk. Fig. 5 is a perspective view of still another modified form of support or disk.

In the illustrative embodiments of this invention shown in the drawing 1 is a support or individual disk which may be formed in any manner and given any desired shape or contour. As illustrated in Fig. 1, it is preferably stamped out of thin sheet metal and formed as a circular disk. A portion of the disk or support however, may be cut away as shown in Figs. 4 and 5, wherein the disks 2 and 3 are given different contours to suit any particular need, though it is to be un-

derstood that the particular shape of the support or disk is immaterial. These disks or supports 1, 2, 3, are preferably formed of minimum thickness and are provided with some self-contained locking means which are adapted to cooperate with the locking means on any particular style or form of extensible pillar or post, as for instance, the ones now on the market. For purposes of illustration I have shown the disks 1, 2 and 3 provided with locking means in the form of female screw threads 4, which are adapted to be screwed upon the male screw threads 5 on the stems 6 of the different units 7 of the pillars or posts 8, it being understood that a series of these units 7 make one pillar or post of a loose leaf binder as shown for instance in Fig. 3. Any desired number of these supports or disks may be used in the binder 9, which is shown as having a back 10 and cover 11, the leaves, which are threaded on the extensible post 8 and supported at intervals by the supports or disks 1, 1 being omitted. I have shown in Fig. 3 a post or pillar 8 equipped with four of the disks 1, though it is to be understood that one or any number of these supports or disks may be used as found convenient or desirable. By detachably securing them between the different units 7 of the post 8, these pillars or posts can be conveniently disconnected when desired to remove an old sheet or insert a new one, the pillar or post being broken or disconnected approximately at the point of insertion or removal of the leaves. The individual supports or disks will then serve to support and hold the leaves or other matter of the binder which have to be temporarily removed for each readjustment of the binder. This avoids the trouble and delay of threading numerous sheets on and off the pillar or post when new matter, for instance, has to be added in its proper place in the binder. The pillar or post can be readily broken or disconnected at the desired point by grasping and rotating the nearest support which will rotate and disconnect the unit 7, on which it is mounted, from the cooperating unit. This disconnection may be assisted in an obvious manner by grasping one of the supports 1 while rotating another support. The fact that these individual disks or supports can be quickly and detachably secured to the extensible pillars or posts now in use, makes my invention adapted for use both with new and old

extensible posts. The supports or disks can be either sold separately or in combination with the extensible pillars or posts with which they are to be used.

5 In some instances, though not necessarily, I may place some designating mark or character upon the supports or disks which may correspond with the same character upon the front index, thus forming a rear index
10 for the binder, which is found very convenient in determining instantly where the different posts or pillars are to be disconnected, when matter is to be inserted or withdrawn. As shown in Fig. 1 I use the
15 characters A A on the upper surface of one of the supports or individual disks 1, but the characters may be otherwise placed as for instance on the edge of the support or disk, as shown at B on disk 2, Fig. 4, or C on disk
20 3, Fig. 5. In some cases these index disks may form the only index with which the binder is equipped.

Having thus described this invention in connection with the several illustrative embodiments thereof to the details of which I do not desire to be limited, what is claimed as new and what it is desired to secure by Letters Patent is set forth in the appended claims.

30 1. A detachable support for leaves of a loose leaf binder provided with openings of less diameter than the diameter of the units of the extensible pillar or post and adapted to be inserted between the different units of
35 any extensible pillar or post of a loose leaf binder and be held in its adjusted position by the units substantially against vertical movement on the pillar or post.

40 2. A detachable support to support the leaves of a loose leaf binder, provided with locking means to cooperate with the locking means between the different units of any detachable pillar or post said support being adapted to be held between any two units of
45 the pillar or post.

3. In loose leaf binders, a flat detachable support provided with fastening means to cooperate with the fastening means between

the different units of any extensible pillar or post.

4. In loose leaf binders, an extensible pillar or post provided with interlocking screw threads, and a flat detachable support or disk provided with screw threads adapted to cooperate with the screw threads of the
55 different units of the extensible pillar or post.

5. An article of manufacture comprising a flat support provided with the cooperating locking means to cooperate with locking
60 means connecting the units of an extensible pillar or post.

6. In combination with an extensible pillar or post formed of units provided with detachable locking means, a flat support or
65 disk provided with locking means adapted to cooperate with the locking means carried by the units of the pillar or post and adapted to be removably connected to them.

7. In loose leaf binders, a flat detachable
70 index disk having self-contained fastening means to cooperate with the fastening means between two units of an expansible pillar or post, and an expansible pillar or post provided with interlocking fastening means.

8. In loose leaf binders a flat detachable support or disk provided with rotatable connecting means, a pillar or post formed of detachable units provided with similar rotatable connecting means, said connecting
80 means on the support or disk adapted to cooperate with the similar connecting means on the units but not preventing them performing their ordinary function of connecting adjacent units.

9. A detachable support for leaves of a loose leaf binder adapted to be inserted between the different units of any extensible pillar or post of a loose leaf binder and means on the support to locate it at any
90 desired point on a single pillar or post.

JENNINGS SCOTT McCOMB.

Witnesses:

HERET. ALDERSON,
JOS. B. MIDDLETON.