

J. S. McCOMB.
 EXTENSIBLE PILLAR OR POST FOR LOOSE LEAF BINDERS.
 APPLICATION FILED OCT. 6, 1908.

947,978.

Patented Feb. 1, 1910.

Fig. 1.

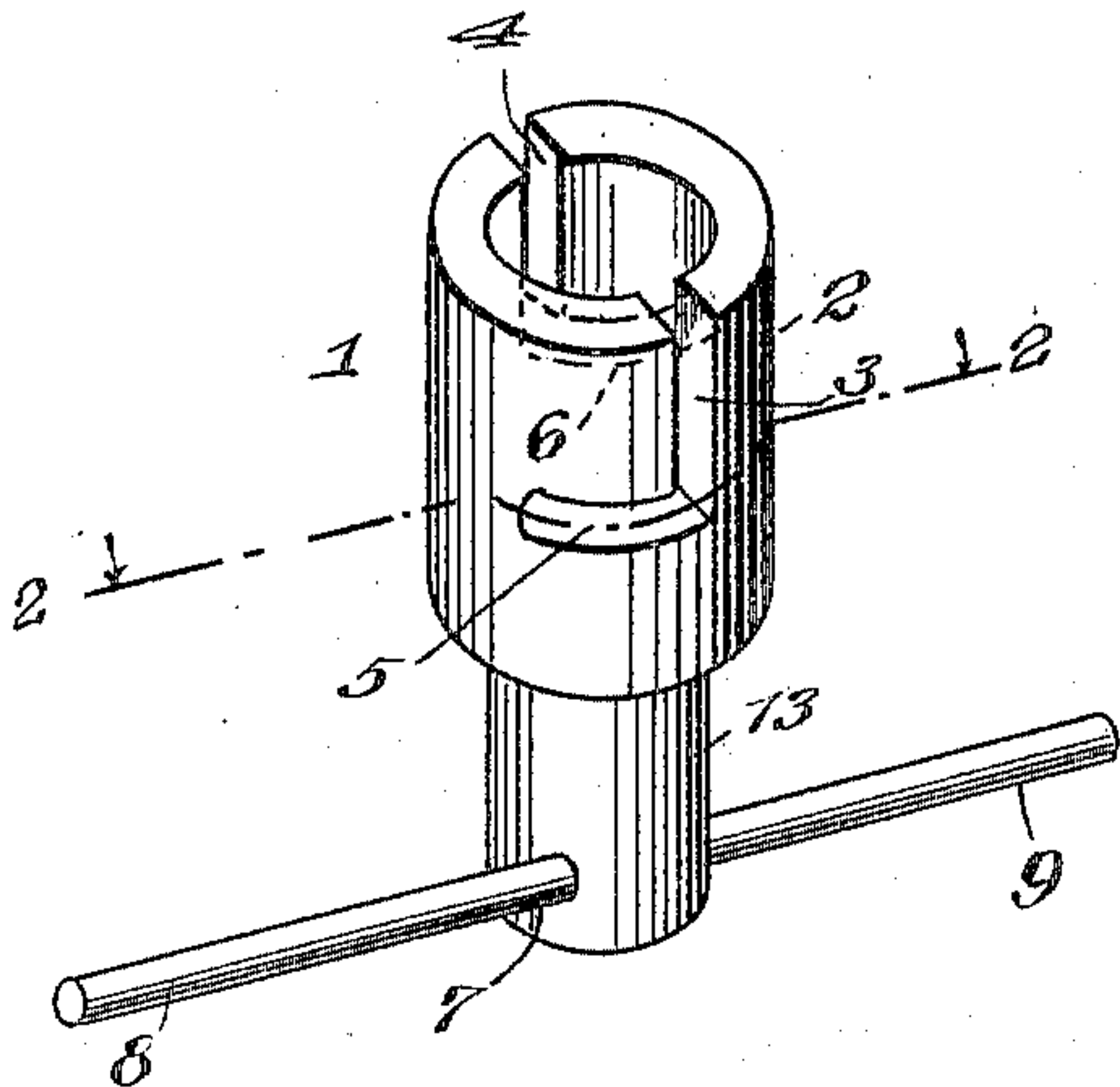


Fig. 2.

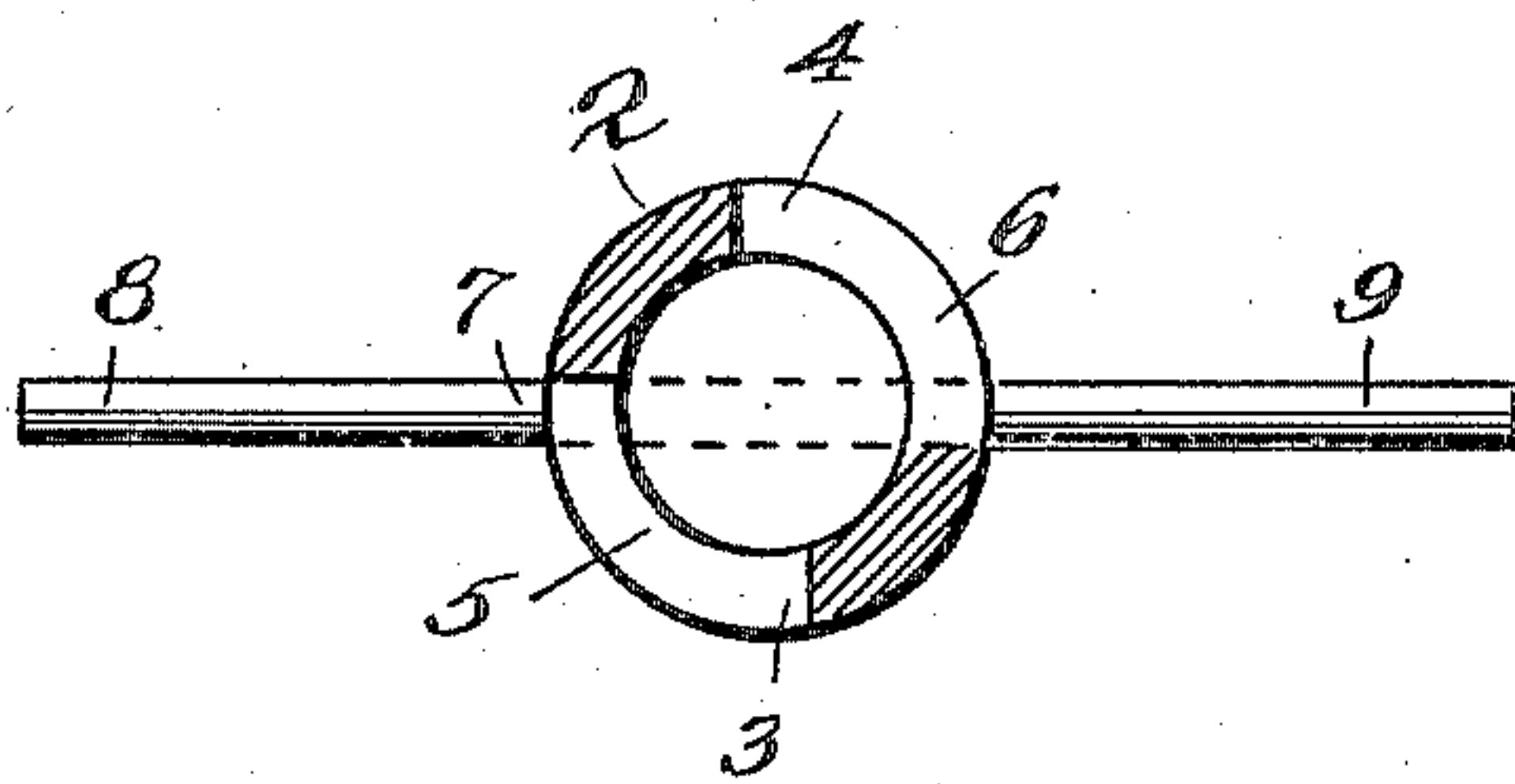


Fig. 3.

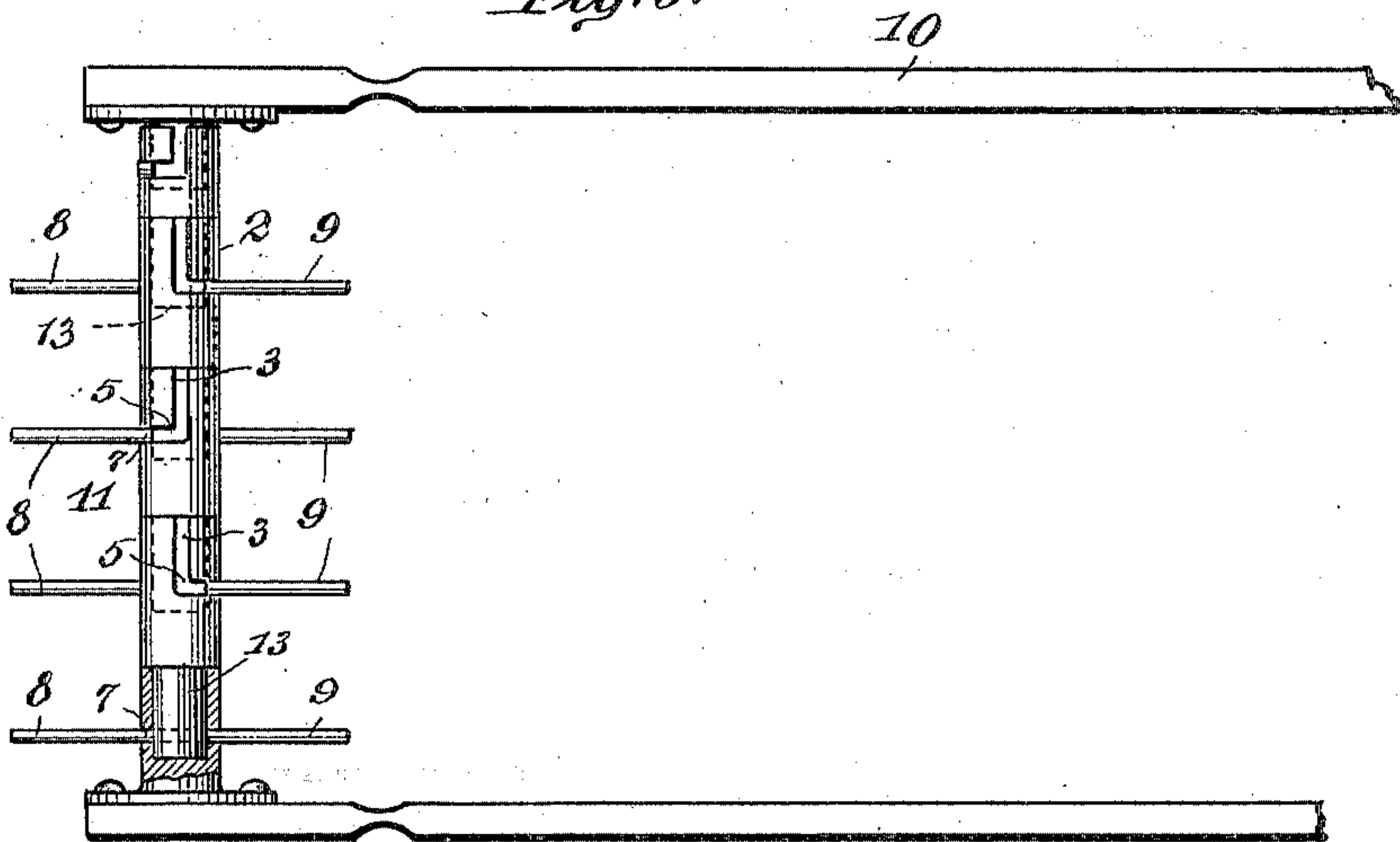


Fig. 4.

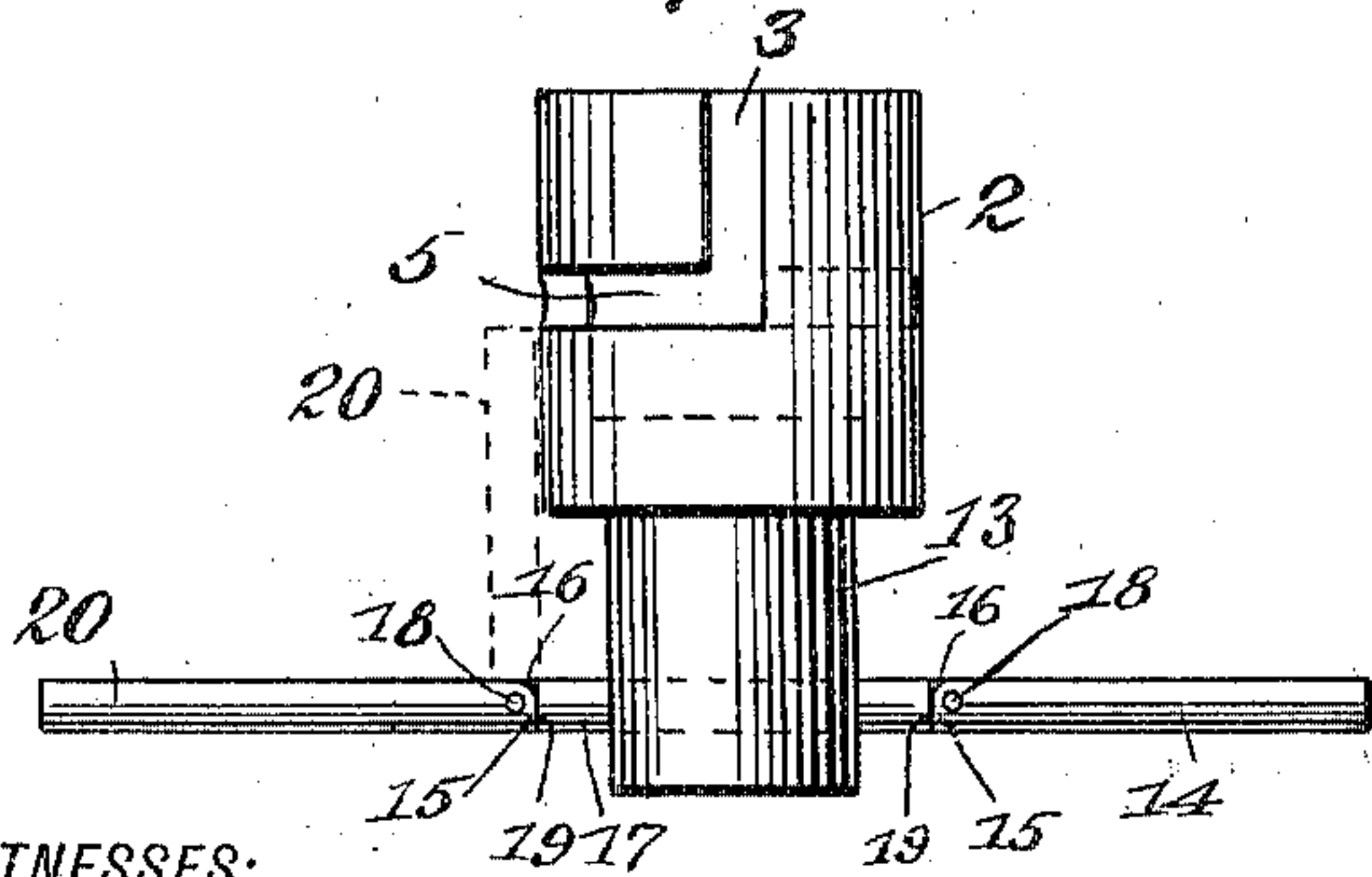


Fig. 5.

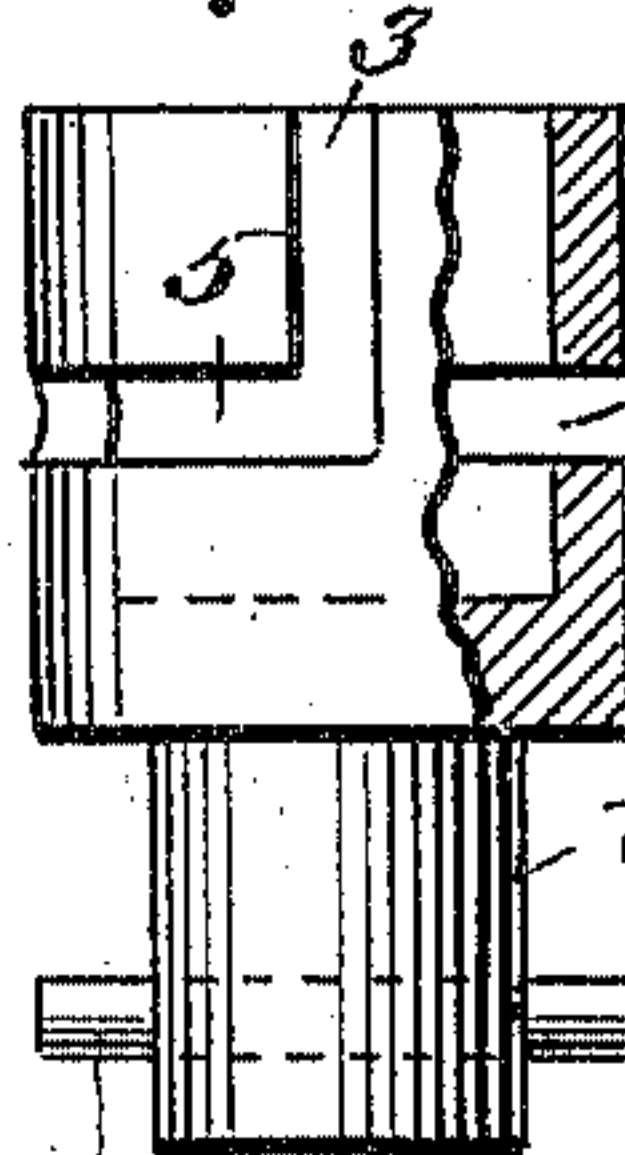
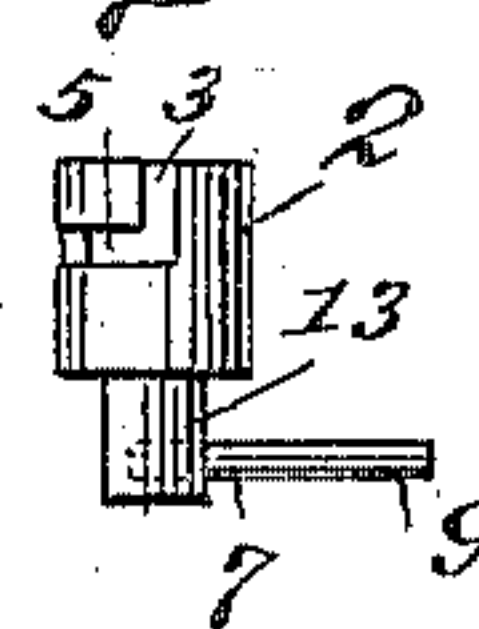


Fig. 6.



WITNESSES:

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EXTENSIBLE PILLAR OR POST FOR LOOSE-LEAF BINDERS.

947,978.

Specification of Letters Patent.

Patented Feb. 1, 1910.

Application filed October 6, 1908. Serial No. 456,398.

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 Extensible Pillars or Posts 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 extensible pillars or posts to be used with such binders and to locking means, which in addition to locking two sections of the post together, perform one or more other functions. For purposes of illustration I have shown one form of locking members, but it is to be understood that my invention broadly covers all extensible posts for loose leaf binders wherein the locking means between sections of the pillar or post perform other functions than merely securing the parts together.

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 a unit or section showing one species of my invention. Fig. 2 is a horizontal section on line 2—2 of Fig. 1. Fig. 3 is a side elevation of a series of units formed into a post and of a loose leaf binder, a portion of the figure being broken away for purposes of better illustration. Fig. 4 is a side elevation of a unit showing a modification. Fig. 5 is a side elevation of another modification, a portion of the figure being shown in vertical section. Fig. 6 is a side elevation of a modification.

In the illustrative embodiments of this invention shown in the drawing 1 is a unit or section of an extensible pillar or post, having a head 2 and a depending stem 13 provided with vertical slots 3 and 4, which at their lower ends merge into horizontal slots 5 and 6 respectively, these latter slots being oppositely disposed. Each pair of slots 3, 5 and 4, 6 are bayonet slots with which cooperate a portion of a member 7 secured in any suitable manner in the stem 13 of a complementary unit or section. This member 7 is shown extending on either side of the stem 13 and has portions adapted to cooperate with each one of the bayonet slots in a com-

plementary head 2, it being understood that the stem 13 of one unit is forced into the hollow head 2 of a complementary unit, the member 7 being made to travel in the vertical slots 3 and 4, and then in the horizontal slots 5 and 6 when the two units are given a partial rotation to secure them together. In this form of my invention I make the member 7 perform additional functions other than merely locking the parts together. I may, for instance, extend the member 7 on either side of the stem 13 until it protrudes more or less from the head 2 with which it cooperates, as shown in Fig. 3, forming a handle 8 and a support 9, the latter extending into the body of the loose leaf binder 10 and the former extending to the rear of the completed pillar or post 11 of the binder, which is made by connecting together two or more units or sections 1, Fig. 3. In some cases I may however, use merely the support omitting the handle, such for instance as shown in Fig. 5 wherein the member 7 extends on the side of the stem 13 opposite to the support 9 merely a sufficient distance to cooperate with the complementary bayonet slot. In some cases the locking of the two members together may be done entirely by the locking member extending only on one side of the stem, as shown in Fig. 6.

In some cases it may be desirable to pivot the support, or the handle, or both, so that they may yield or give at least in one direction. In the construction shown in Fig. 4, the support 14 is provided with a shoulder 15 and a cut away portion 16, and is secured to the member 17 by the pivot 18. This construction permits the pivoted support 14 to move in one direction with the leaves of the binder 10. When the pillar or post 11 is disconnected for the insertion or removal of matter the shoulder 15 of the support 14 will contact with the surface 19 and support all the leaves of the binder above it. It is to be understood that the rounded or cut away portion 16 of the support 14 permits it to rock or move upon the pivot 18 in one direction. I may also in some instances, where desirable, have a handle 20 pivoted on the member 17 by a pivot 18, the handle being provided with corresponding shoulders 15 and cut away portion 16 to permit it to have the same movement as the pivoted support 14. This pivoted

form of handle is desired to permit it to be swung out of the way as shown in dotted lines in Fig. 4.

By arranging the member 7 so that the support 9 extends into the body of the binder 10 and among the leaves, it will be seen that the leaves will be supported at intermediate points along the length of the extensible pillar 11, and when the post is disconnected for the insertion or removal of matter in the binder, the leaves appearing above any one support will be held or supported on the removed section of the pillar 11 avoiding the delay of removing a large number of leaves from the pillar or post 11 and then rethreading them on the post as is now the practice.

The handle, when one is used, serves as a ready means of manipulating the units or sections and assists in connecting or disconnecting them. All these functions are performed by a portion of the locking means between two of the sections or units.

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.

I claim—

1. A detachable unit of a pillar or post for loose leaf binders provided with locking means to cooperate with complementary locking surfaces on a complementary unit, a portion of said locking means being free from the complementary locking surfaces on the complementary unit and adapted to perform other and additional functions.

2. A unit or section of an extensible pillar or post of loose leaf binders provided with a member to assist in locking two complementary units together, said member being provided with means adapted to act as a support for the leaves of a loose leaf binder.

3. A unit or section of an extensible pillar or post of loose leaf binders provided with a member to assist in locking two complementary units together, said member being provided with means adapted to act as a

support for the leaves of a loose leaf binder and as a handle for the manipulation of the unit or section.

4. In extensible pillars or posts for loose leaf binders, the combination of two or more complementary units or sections, locking means between the units or sections, a portion of said locking means being provided with surfaces adapted to support the leaves of the loose leaf binder.

5. A unit or section of an extensible pillar or post for loose leaf binders, comprising a hollow slotted head, a stem and means carried by the stem adapted to cooperate with the slots of a complementary unit or section, and support the leaves of a loose leaf binder.

6. A unit or section of an extensible pillar or post for loose leaf binders, comprising a hollow slotted head, a stem, means carried by the stem to cooperate with the slots of a complementary unit or section, said means also extending on either side of the pillar or post made of a plurality of hollow slotted heads.

7. A unit of an extensible pillar or post of a loose leaf binder having a hollow head and a stem, a member mounted on the stem adapted to cooperate with the slots of a complementary head, and a pivoted support carried by the member.

8. A unit of an extensible pillar or post of a loose leaf binder having a hollow head and a stem, a member mounted on the stem adapted to cooperate with the slots of a complementary head, a pivoted support, and a pivoted handle carried by the member.

9. A unit of an extensible pillar or post for a loose leaf binder comprising a hollow head provided with bayonet slots, a stem, a member carried by the stem, a portion of the member being adapted to cooperate with the complementary bayonet slots carried by another unit, other portions of the member adapted to act as a support for the leaves of a loose leaf binder and a handle for the manipulation of the unit or section.

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Witnesses:

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