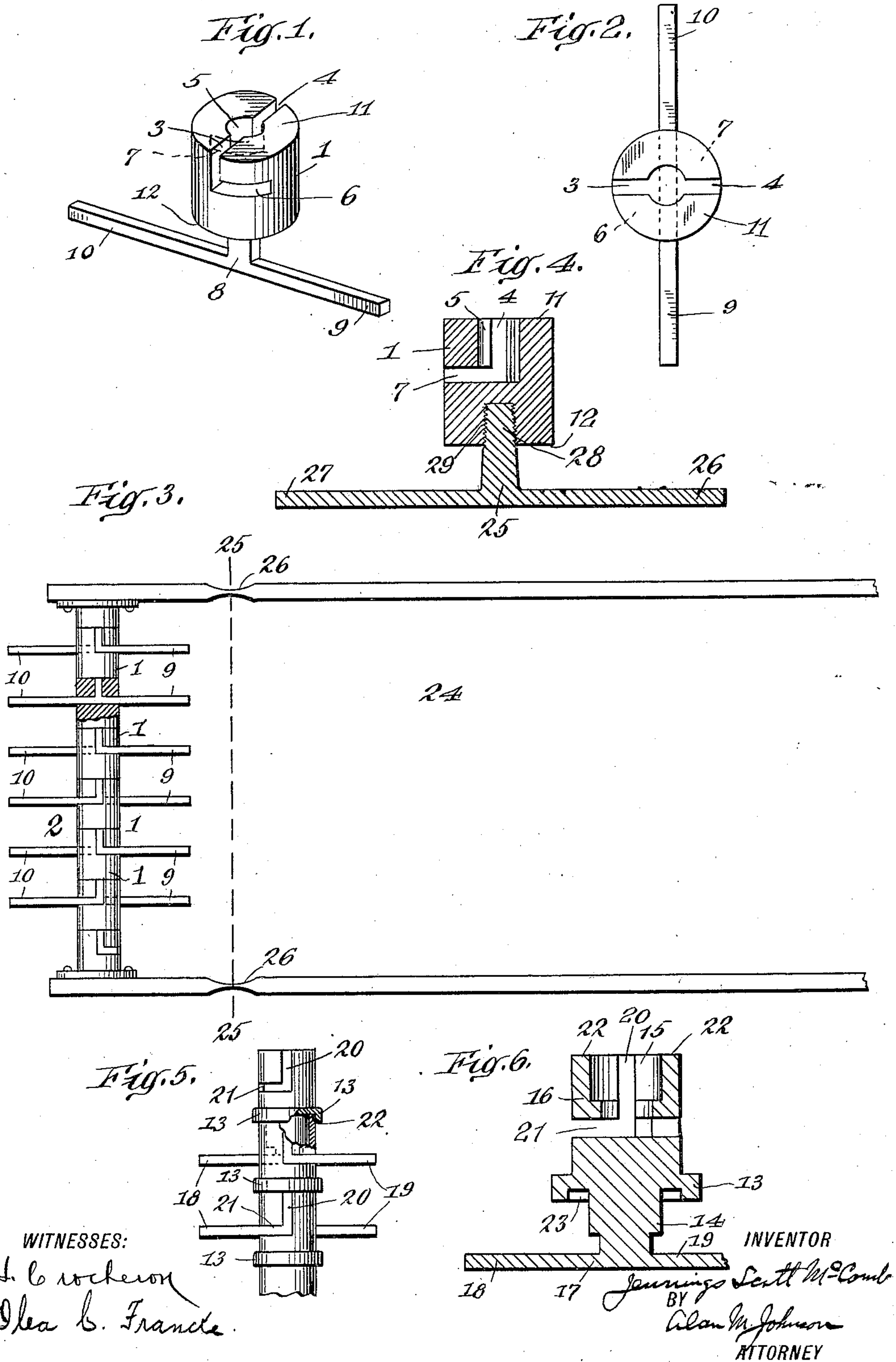


J. S. McCOMB.
 EXTENSIBLE PILLAR OR POST FOR LOOSE LEAF BINDERS.
 APPLICATION FILED OCT. 6, 1908.

934,746.

Patented Sept. 21, 1909.



UNITED STATES PATENT OFFICE.

JENNINGS SCOTT McCOMB, OF DOBBS FERRY, NEW YORK.

EXTENSIBLE PILLAR OR POST FOR LOOSE-LEAF BINDERS.

934,746.

Specification of Letters Patent. Patented Sept. 21, 1909.

Application filed October 6, 1908. Serial No. 456,399.

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 used with such binders. By my invention the sections or units of the detachable pillar or post are given a substantially cylindrical form and provided with a depending inverted T-shaped locking member for locking two sections or units together, said member being at the same time adapted to perform other functions in the binder.

In the accompanying drawing showing illustrative embodiments of this invention and in which the same reference numerals refer to similar parts in the several figures, Figure 1 is a perspective view of a unit or section showing one form of my invention. Fig. 2 is a plan view of the unit shown in Fig. 1. Fig. 3 is a side elevation of a loose leaf binder showing an extensible pillar or post made from a series of units, a portion of the figure being broken away for purpose of better illustration. Fig. 4 is a vertical section through a modified form of unit. Fig. 5 is a side elevation showing a modified form of post or pillar, a portion of the figure being broken away for purposes of better illustration. Fig. 6 is a vertical longitudinal section through one of the sections or units shown in Fig. 4, the section or unit being shown on an enlarged scale.

In the illustrative embodiments of this invention shown in the drawing 1 is a unit or section of a detachable post or pillar 2, Fig. 3, which is given a substantially cylindrical form and is provided with vertical slots 3 and 4 and an axial recess 5 for a portion of its length, the slots 3 and 4 merging into oppositely disposed horizontal slots 6 and 7 respectively, for the reception of a complementary inverted T-shaped locking member 8 having arms 9 and 10. This inverted T-shaped member 8 may be cast as an integral part of the unit 1, the arms 9 and 10 being given a length greater than the diameter of the unit so that in practice

they will extend on either side of the periphery of the pillar or post 2, Fig. 3.

Two units or sections are attached or detached by causing the inverted T-shaped locking member 8 to become seated in the slots 3, 6 and 4, 7, it being understood that each pair of slots forms a bayonet slot. After the locking member 8 has reached the bottom of the slots 3 and 4 a partial revolution of one of the units upon the other will cause the arms 9 and 10 to become seated in the horizontal slots 6 and 7 respectively, holding, in this form of my invention, the face 11 of one unit to the bottom 12 of another complementary unit as shown for instance in Fig. 3.

To avoid the expense of replacing an entirely new unit when either one or both of the arms 9, 10 should become broken, bent or otherwise unserviceable I may form my cylindrical unit 1 and its T-shaped locking member in two parts and removably connect them as shown for instance in Fig. 4. In this figure the T-shaped locking member 25 with its arms 26 and 27 is provided with a stem 28 having means to detachably secure it within a recess 29 in the bottom of the unit 1. As shown in this figure this recess 29 is preferably given a taper and provided with screw threads to receive complementary screw threads upon the conical stem 28. This adjustment serves to securely lock the T-shaped locking member 25 to the unit 1 and yet will permit the substitution of a new T-shaped member for a broken or damaged one. Any other means may be used for locking the inverted T-shaped member to the unit, screw threads being shown merely for purpose of illustration.

Instead of forming the units as shown in Figs. 1 to 3, I may in some cases provide them with a flange, disk or stop 13 and also with a reduced body portion 14 which is adapted to take into a recess 15 in a complementary unit 16, Fig. 6. In this form the reduced body portion 14 of one member is locked in the recess 15 of a complementary member by the inverted T-shaped locking member 17, having arms 18 and 19, Figs. 4 and 5, engaging in similar bayonet slots 20, 21. In this construction the annular head 22 of the section 16 is snugly seated in the annular recess 23 of a complementary unit.

The arms 9, 9 are so formed as to extend into the binder 24, but preferably not beyond the line 25, 25 running through the

center of the hinges 26, 26 of the binder 24, Fig. 3. These arms 9 serve to support the leaves of the binder at intermediate points throughout the length of the pillar or post 2 and in this manner assist in removing the leaves of the loose leaf binder (not shown) which have to be removed from time to time for the insertion or removal of new or old matter. The other arms 10, which extend preferably in the opposite direction from the arms 9, and which are shown as integral parts of the T-shaped member 8, are preferably cast at the same time as the unit 1 and are mounted to extend to the rear of the binder 24 and form handles which may be grasped to assist in locking and unlocking the units 1 of the post 2.

In the modifications shown in Figs. 4, 5 and 6 the arms 27, 26 and 18, 19 perform the same functions as the arms 10 and 9 respectively in the other construction. In this form shown in Figs. 5 and 6 the flange 13 and annular recess 23 serve to make a tight joint between the different units 16. The flange also serves as a supplemental support or stop to assist in holding the loose leaves of the binder to the posts. These flanges or stops, however, are made comparatively small and only partially support the leaves, the real supports being the arms 19.

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.

1. In extensible pillars or posts for loose leaf binders, a unit provided with bayonet slots and an inverted T-shaped locking member secured to the bottom of said unit. 40

2. In extensible pillars or posts for loose leaf binders, a unit provided with bayonet slots and an inverted T-shaped locking member removably secured to the bottom of said unit. 45

3. In extensible pillars or posts for loose leaf binders, a substantially cylindrical unit provided with bayonet slots extending from its center to its circumference, an inverted T-shaped locking member secured to the bottom of said unit, said locking member having arms of greater length than the diameter of the cylindrical unit. 50

4. In extensible pillars or posts for loose leaf binders, a cylindrical unit provided with bayonet slots, a T-shaped locking member having a stem adapted to be secured to the unit, and means upon the stem of the T-shaped locking member to removably secure it to the unit or section. 60

5. In extensible pillars or posts for loose leaf binders, a cylindrical unit provided with bayonet slots, a T-shaped locking member having a stem adapted to be secured to the unit, and means upon the stem of the T-shaped locking member to removably secure it to the unit or section said T-shaped locking member having arms of greater length than the diameter of the cylindrical unit. 65

JENNINGS SCOTT McCOMB.

Witnesses:

HERBT. ALDERSON,
JOS. B. MIDDLETON.