

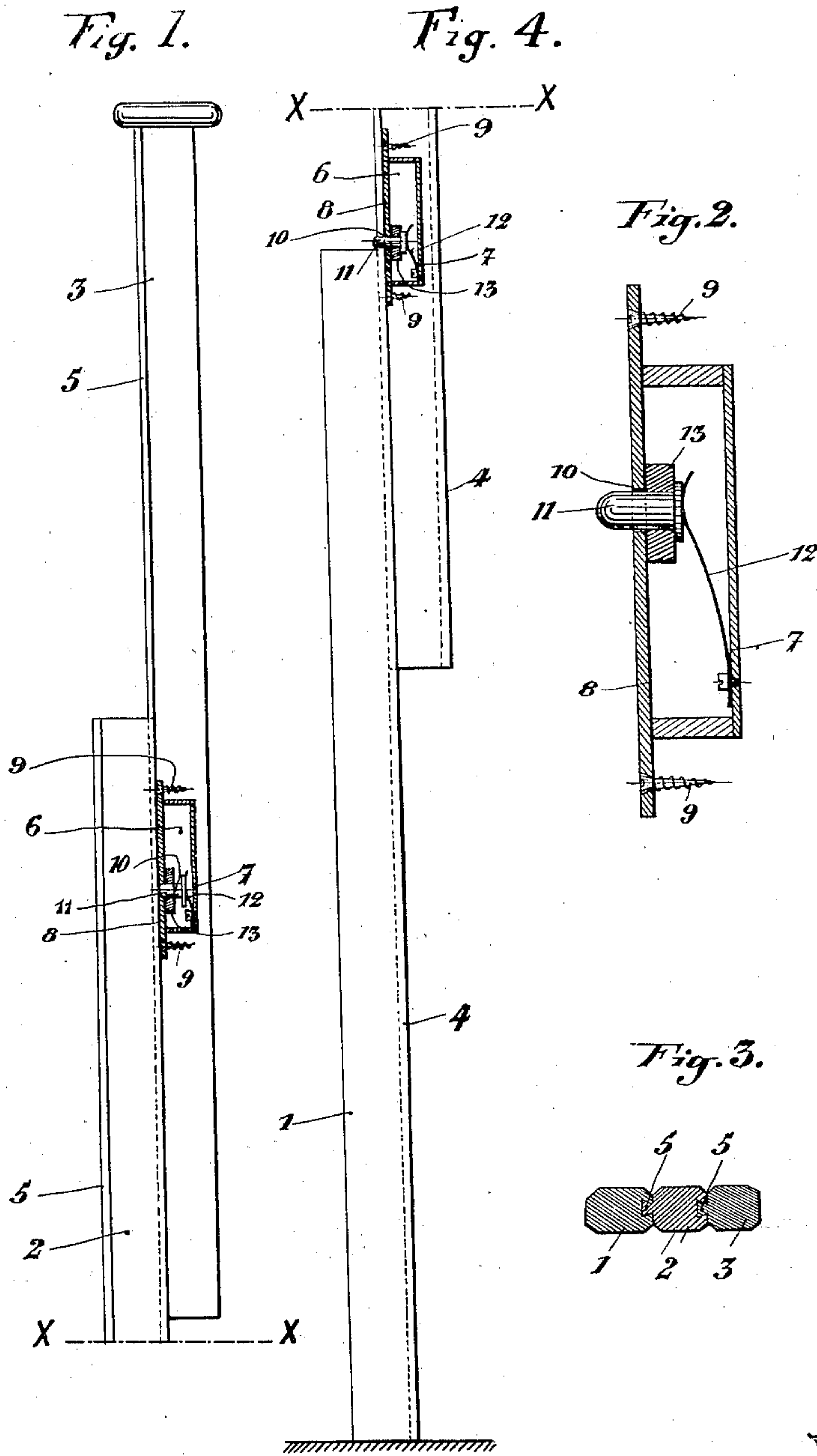
No. 656,424.

Patented Aug. 21. 1900.

J. SANDMAYER.
COLLAPSIBLE POST, BEAM, &c.

(Application filed May 1, 1899.)

(No Model.)



Witnesses:

S. S. Noble,
J. Buchler

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Att'y.

UNITED STATES PATENT OFFICE.

JEAN SANDMAYER, OF SAARBURG, GERMANY.

COLLAPSIBLE POST, BEAM, &c.

SPECIFICATION forming part of Letters Patent No. 656,424, dated August 21, 1900.

Application filed May 1, 1899. Serial No. 715,183. (No model.)

To all whom it may concern:

Be it known that I, JEAN SANDMAYER, a citizen of the Empire of Germany, residing at Saarburg, Germany, have invented certain
5 new and useful Improvements in Collapsible Posts, Beams, &c., of which the following is a specification.

My present invention relates to improvements in collapsible posts, uprights, or the
10 like, the object being to provide a device of this kind in which a plurality of slidable parts or sticks are employed and provided with suitable means to hold the same in operative position; and it consists in the features of construction and combination of parts fully described hereinafter and specifically pointed
15 out in the appended claim; and in order that this my invention may be the more readily understood and carried into effect or practice reference is hereby made to the accompanying drawings, in which—

Figure 1 is a side elevation of a collapsible post made in accordance with my invention in an inoperative position. Fig. 2 is an enlarged view of the device for locking the movable parts in operative position. Fig. 3 shows
25 a horizontal section of the movable part. Fig. 4 is a side elevation of a post made in accordance with my invention in an operative position.

Like numerals refer to like parts throughout all the figures.

The improved device may be composed of two, three, or more parts 1 2 3 in the form of
35 sticks or beams or posts, in accordance with the use to be made thereof. One side of said sticks or beams is provided with a dovetail groove 4, (see dotted lines, Fig. 1,) adapted to be engaged by a corresponding rib 5, formed
40 on the opposite side of the other stick or beam. At determinate points said sticks or beams are provided with preferably-rectangular recesses 6, serving to receive the devices for locking the movable parts 1 2 3 in operative position. Said device embodies a preferably-metal box 7, adapted to fit into recess
45 6 and closed by a plate 8, lodged into the material of the stick or beam, so as to leave a perfect sliding-surface, said plate being se-

cured to the stick, beam, or post by means of
50 screws 9 or in any suitable way. The plate 8 is provided with a circular aperture or opening 10, through which passes loosely a head-pin 11, which is constantly pressed toward the outside by the action of a suitable spring
55 12, secured to the rear wall of box 7. The pin 11 may be guided in its movements by a washer or equivalent 13, suitably secured to plate 8.

If it is desired to use the device, one has
60 but to draw the movable parts 2 3 until the pins 11 of same reach the upper ends of the respective sticks, beams, or posts, whereby said pins 11 are pushed outward by the action of springs 12 to lock the sticks, beams, or
65 posts in operative position and prevent them from sliding downward again upon each other. If the device is out of use, the pins 11 are pushed inward again by hand, whereby the sticks, beams, or posts may be readily moved
70 over each other.

The stick as herein described may be employed as a guard-post for step-ladders. To this end the lower end thereof is to be secured to the ladder, and if the user stands on the upper step thereof he may readily bring the device into operative position—that is, draw the various parts of the device over each other—to guard him from falling down.

Changes in the minor details of construction and arrangement of parts may be made without departing from the scope or sacrificing any of the advantages of the invention.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—
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A collapsible post formed of two or more sections slidably secured together by tongue-and-grooved connections, and provided with means for locking said sections in operative
90 position consisting of a metal box provided with a cylindrical opening, and a spring-actuated pin adapted to work in said opening against one section, as set forth.

JEAN SANDMAYER.

Witnesses:

WILHELM BARTH,
WILHELM HÖRNER.