

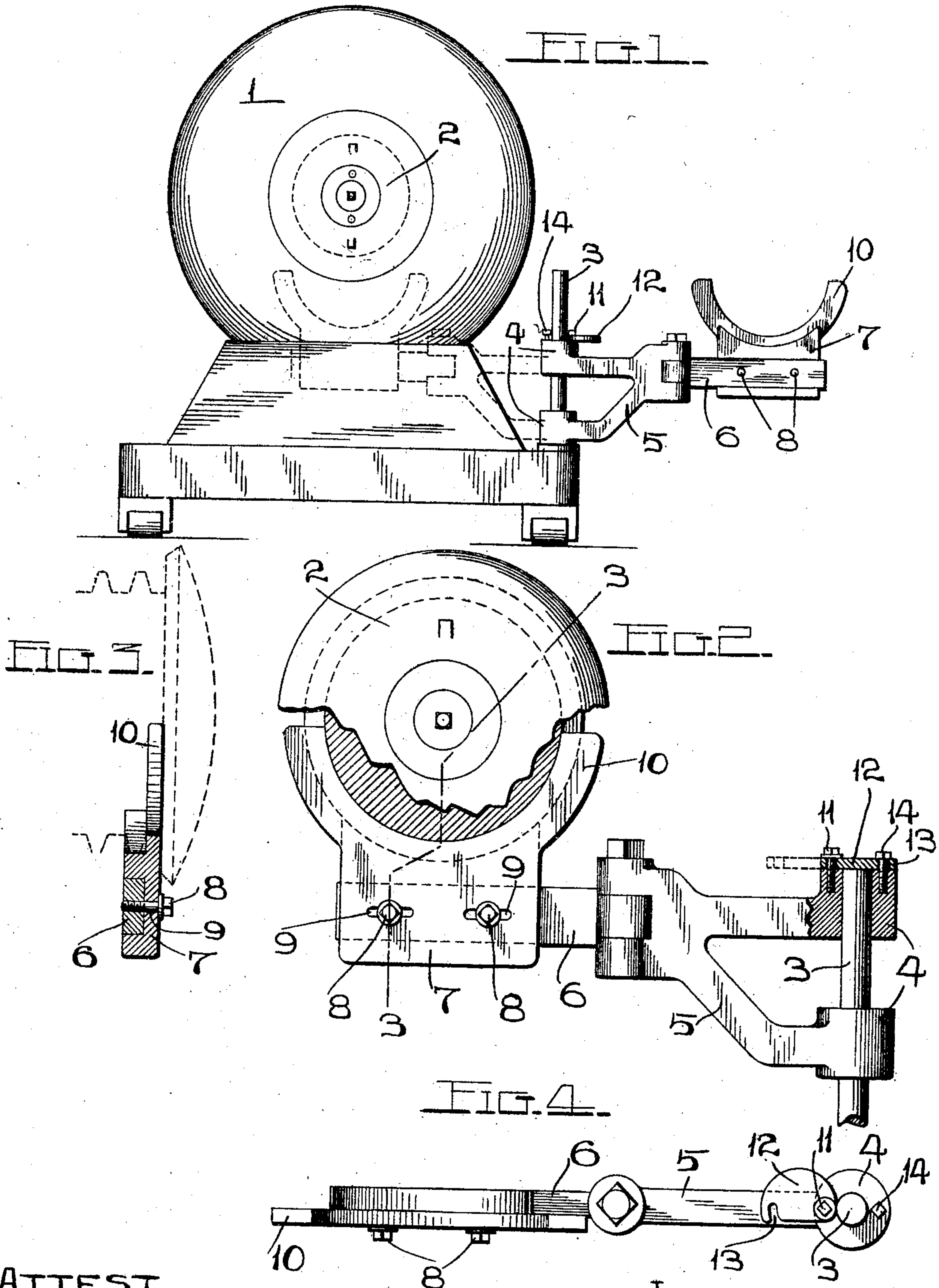
No. 869,221.

PATENTED OCT. 29, 1907.

J. M. ALLEN.

SAFE DOOR SUPPORT.

APPLICATION FILED FEB. 28, 1907.



ATTEST.
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SAFE-DOOR SUPPORT.

No. 869,221.

Specification of Letters Patent.

Patented Oct. 29, 1907.

Application filed February 28, 1907. Serial No. 359,784.

To all whom it may concern:

Be it known that I, JAMES M. ALLEN, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Safe-Door Supports, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to a safe door support, and the object thereof being to provide a simple, inexpensive, and easily operated support which will engage and hold the plug or screw doors of safes.

To the above purposes, my invention consists in certain novel features of construction and arrangement of parts, which will be hereinafter more fully set forth, pointed out in the claims, and illustrated in the accompanying drawings, in which:—

Figure 1 is a front elevation of a safe provided with my improved door support; Fig. 2 is an elevation, partly in section, of the door support in position beneath a door; Fig. 3 is a vertical section taken on the line 3—3 of Fig. 2; Fig. 4 is a plan view of the door support.

Referring by numerals to the accompanying drawings:—1 designates the body of the safe, and 2 the door thereof, which is of the usual screw or plug variety, which must be entirely removed from the door opening and detached from the body when said safe is opened.

Fixed to the base of the safe and to one side of the door thereof is a vertically arranged post or standard 3, on which is arranged to slide a pair of collars 4, which are formed integral with a horizontally disposed bracket 5; and hinged to the opposite end of this bracket is a horizontally disposed arm 6. Arranged to slide freely on this arm 6 is a plate 7, which is held in position by bolts 8, which pass through slots 9 formed through said plates 7; and integral with the top of the plate 7 is a semi-circular stirrup 10, which is of such size as to fit around the lower half of the safe door. Pivottally connected to the top of the upper one of the collars, by means of a pin 11, is a horizontally disposed plate 12, in the outer end of which is formed a notch 13 which, when said plate is swung onto the top of said collar 4, engages beneath the head of a pin 14 seated in said collar, directly opposite the pin 11.

When the safe door is closed, the stirrup, arm, and bracket; forming the support, are swung to one side of the safe, (as shown in Fig. 1,) and the bracket 5 is

lowered by swinging the plate 12 off from the top of the upper collar 4.

To engage and support the safe door when the same is removed from the body of the safe, the bracket 5 and arm 6 are swung around into position in front of the body of the safe, thus bringing the stirrup 10 into position immediately below the safe door; and, after said door has been partially removed, the bracket 5 and arm 6 are elevated in order to bring the stirrup against the under side of the forward end of the safe door, and the parts are maintained in their elevated positions by swinging the plate 12 over the top of the post 3, and engaging the pin 14 with the notch 13. The door is now unscrewed or withdrawn from the body of the safe, during which action the plate 7 will slide laterally upon the arm 6 by reason of the pin and slot connection between said plate and arm 6; and when the door has been entirely withdrawn from the safe, it is supported by the stirrup 10, and can be swung forwardly and to one side in order that free access may be had to the interior of the safe.

A support of my improved construction is simple, easily operated, can be quickly shifted from one position to another, and very conveniently engages and supports all forms of removable safe doors.

I claim:—

1. The combination with a safe having a removable door, of a post fixed to the base of the safe, a swinging arm arranged to move vertically on the post, and a stirrup arranged for lateral movement upon the arm and adapted to receive the safe door.

2. The combination with a safe, having a removable door, and a post fixed on the base of the safe; of a vertically adjustable laterally swinging bracket arranged on the post, an arm hinged to one end of said bracket, and a stirrup connected to and arranged to slide laterally upon said arm.

3. The combination with a safe, having a removable door, of a post fixed to the base of the safe, a swinging bracket arranged to move vertically upon said post, an arm hinged to the bracket, and a door receiving stirrup arranged to slide upon the arm.

4. The combination with a safe, having a removable door, of a post arranged adjacent the body of the safe, a bracket arranged to slide vertically thereon, means whereby said bracket is held at a fixed elevation, an arm hinged to the bracket, and a door receiving stirrup connected to and arranged to slide upon said arm.

In testimony whereof, I have signed my name to this specification, in presence of two subscribing witnesses.

JAMES M. ALLEN.

Witnesses:

M. P. SMITH,
E. L. WALLACE.