

No. 706,904.

Patented Aug. 12, 1902.

J. DANIEL.
COMBINED DOOR STOP AND CATCH.

(Application filed May 11, 1901.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

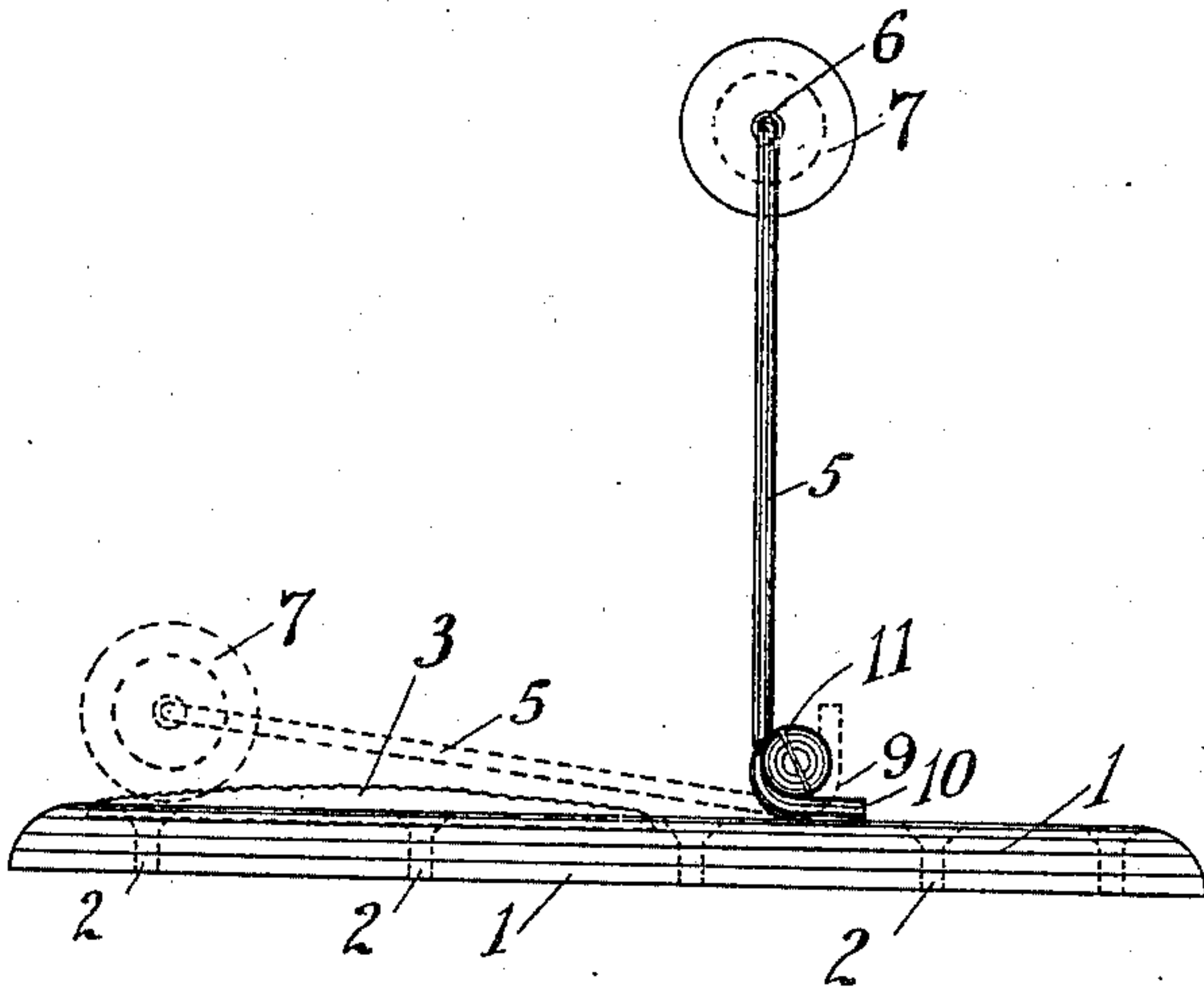


Fig. 2.

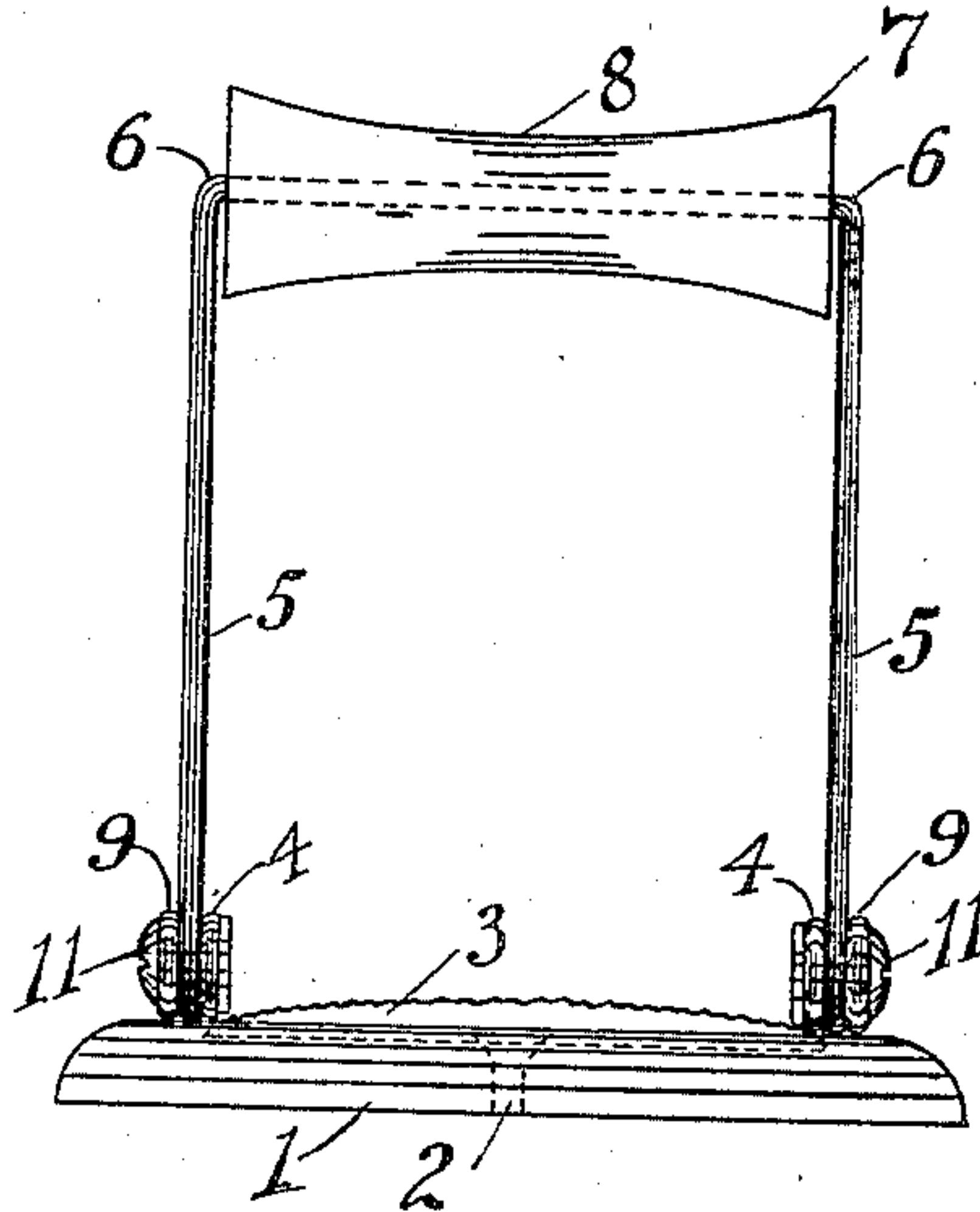


Fig. 3.

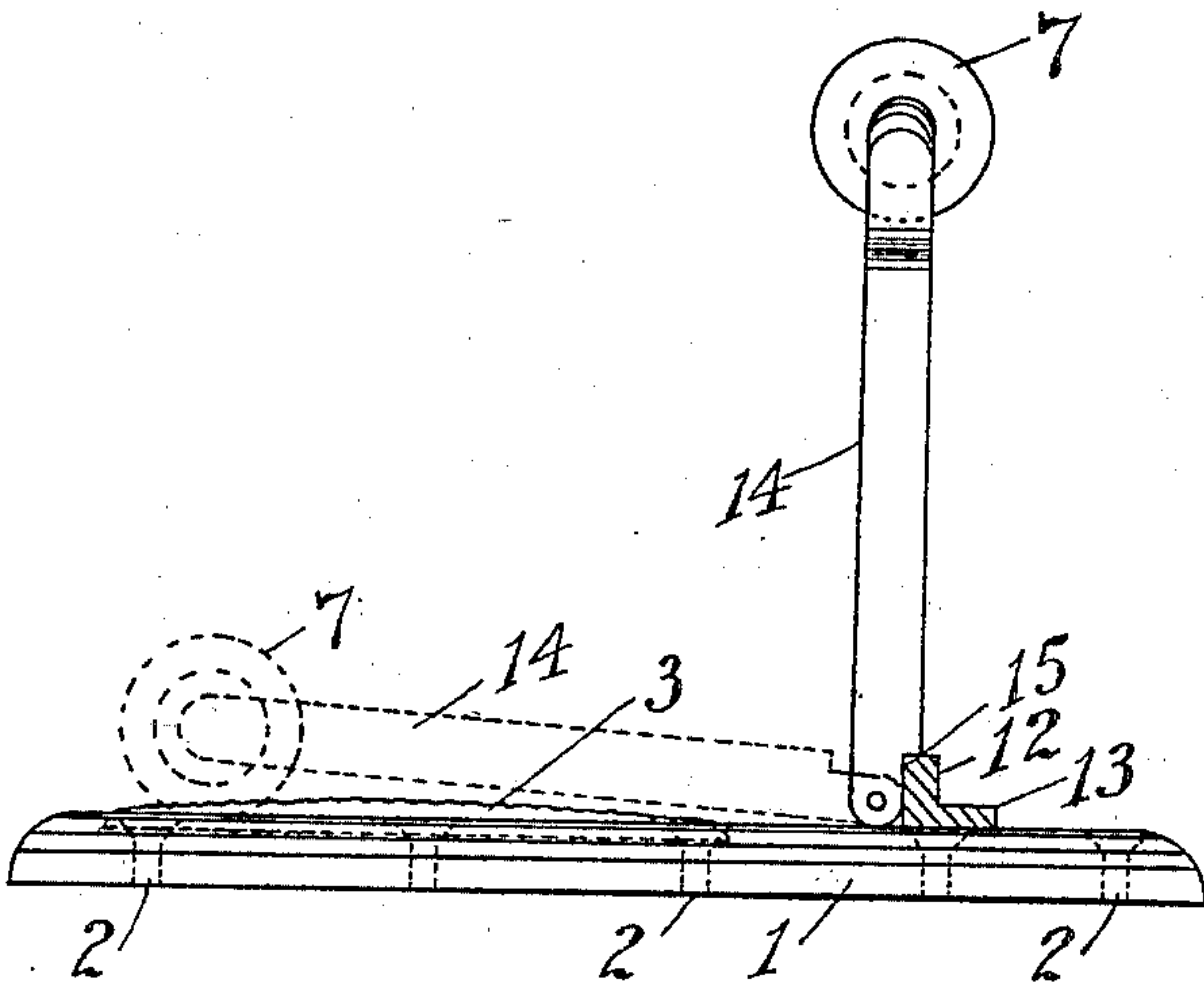
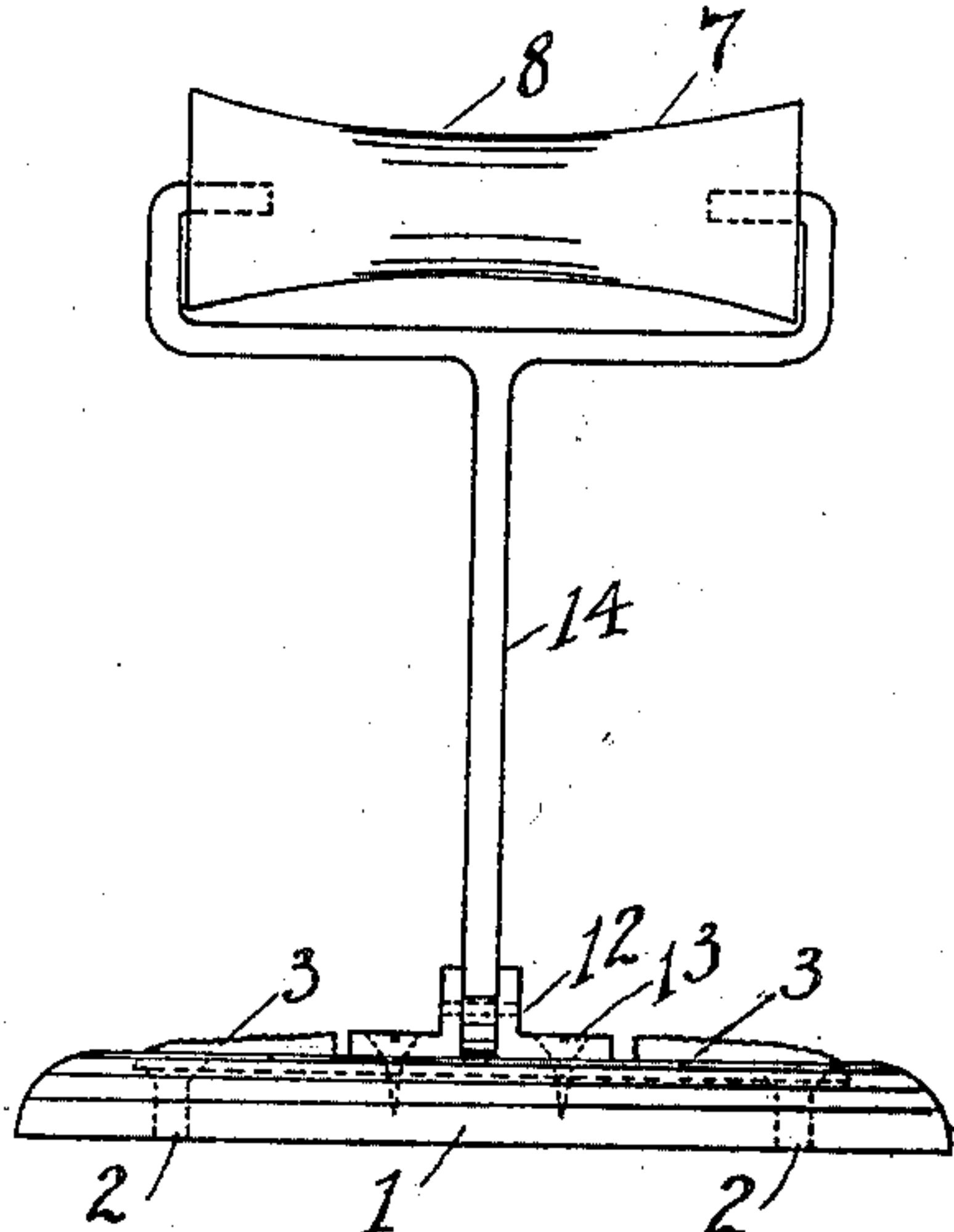


Fig. 4.



WITNESSES

S. B. Reeve

L. B. Alderete.

Jacob Daniel
BY James Rogers
INVENTOR
ATTORNEY

No. 706,904.

Patented Aug. 12, 1902.

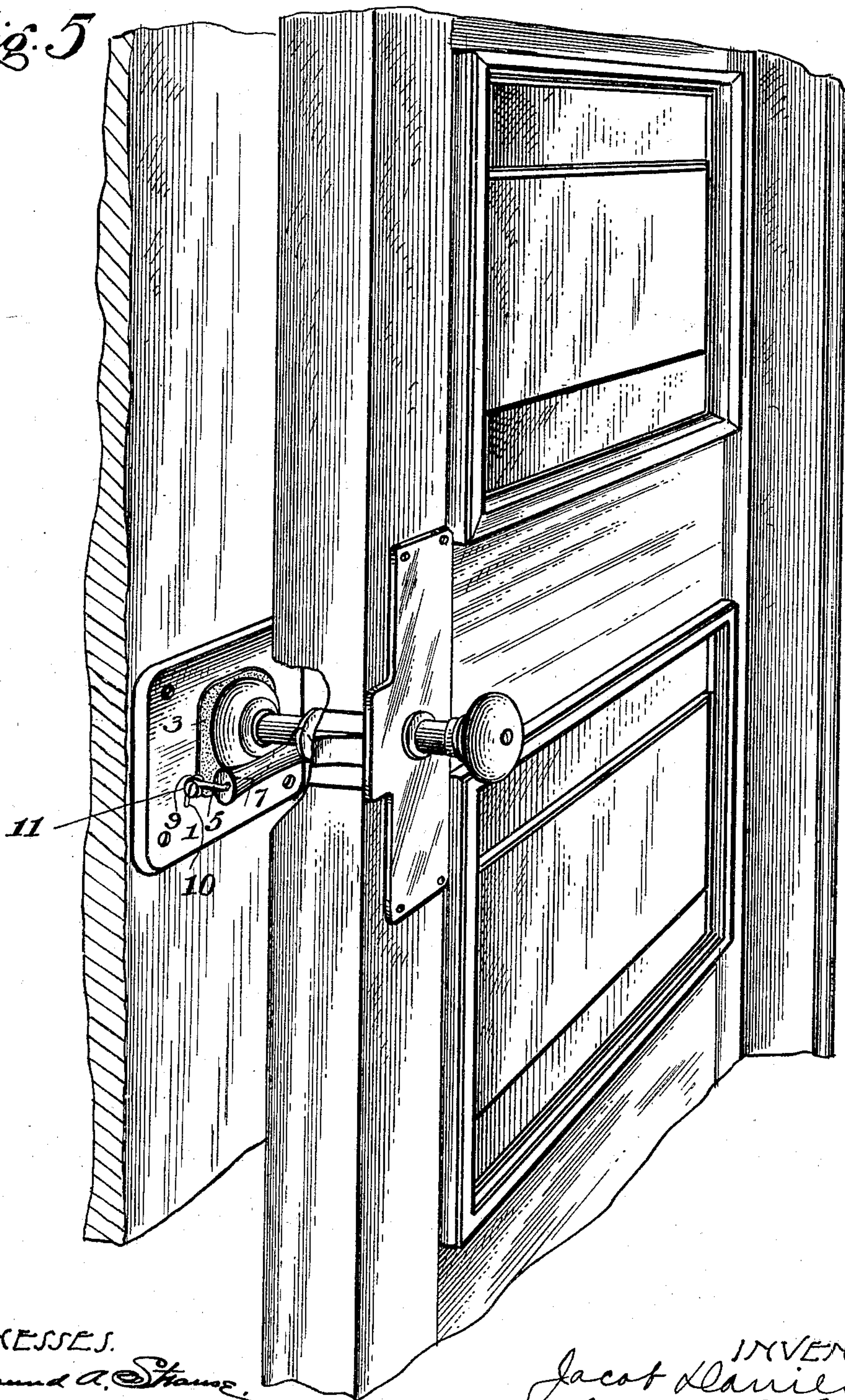
J. DANIEL.
COMBINED DOOR STOP AND CATCH.

(Application filed May 11, 1901.)

(No Model.)

2 Sheets—Sheet 2.

Fig. 5



WITNESSES.

Edmund A. Stange,

L. B. Aldrete.

INVENTOR

Jacob Daniel

By James R. Rogers
his ATT.

UNITED STATES - PATENT OFFICE.

JACOB DANIEL, OF LOS ANGELES, CALIFORNIA.

COMBINED DOOR STOP AND CATCH.

SPECIFICATION forming part of Letters Patent No. 706,904, dated August 12, 1902.

Application filed May 11, 1901. Serial No. 59,879. (No model.)

To all whom it may concern:

Be it known that I, JACOB DANIEL, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Combined Door Stop and Catch, of which the following is a specification.

This invention relates to devices for limiting the movement of doors or like articles, and particularly to that class thereof constructed to both limit the movement of the door and retain the same in an open position; and some of the objects of the invention are to provide a device of this character which will be simple and cheap in construction and at the same time positive and effective in operation.

Another object of the invention is to provide such a device having a receiving-pad or bumper-block against which the door-knob is adapted to contact when forced open to its maximum extent and also to provide an automatic retaining element constructed to first receive the impact of the door-knob, and thereby lessen the force or concussion of the latter upon the bumper-block and to prevent the rebound or return movement of the door by engaging the knob.

It is also an object of this invention to produce a device of the foregoing character constructed to frictionally and flexibly engage a door-knob only upon the undersurface thereof to prevent injury to the latter.

A further object of the invention is to produce a device which can be folded in a plane approximately parallel with the wall or surface upon which the same is secured to prevent individuals or objects coming into accidental contact therewith.

Still another object of this invention is to provide a device having a bumper-block or receiving-pad, preferably constructed with parallel ribs or ridges extending at right angles to the body portion of the block to reduce to a minimum the impact or jar of the door-knob.

With these and other objects in view the invention consists, essentially, in the construction, combination, and arrangement of parts, substantially as hereinafter more fully described in the following specification and

illustrated in the accompanying drawings, forming part of this application, in which—

Figure 1 is a side elevational view of this improved door stop and catch, the same being shown in operative position and being indicated in the folded position by dotted lines. Fig. 2 is an end view of the same. Figs. 3 and 4 are views similar to Figs. 1 and 2, illustrating a modified form of construction; and Fig. 5 is a perspective view showing the catch in engagement with the door-knob.

Similar characters of reference designate corresponding parts throughout the several views.

Referring to the drawings, and particularly to the construction shown in Figs. 1 and 2 thereof, the reference character 1 designates a base or attaching block of any preferred formation and material, either with or without ornamentation, but preferably substantially as herein shown, and the base 1 is desirably provided with openings 2, designed to receive attaching-screws or other devices, whereby the base may be secured in position upon the wall or other surface.

Suitably secured in or upon the base 1 is a receiving pad or bumper 3, which may be retained in position by independent screws or other devices or may be countersunk in the base, as shown, and secured therein by adhesive material, or one or more of the attaching-screws may pass directly through the pad 3 and the base 1 into the wall or surface upon which the device is secured, as will be readily understood. The receiving-pad 3 may be of any preferred form or construction and may have a convex outer surface, so as to diminish the surface of the door-knob that is exposed to contact therewith, or the pad 3 may be provided with a corrugated or ribbed surface in order to minimize the impact or jar of the door-knob when forced thereagainst.

Formed on or connected with the base 1 are two or more laterally-extending lugs or ears 4, or screw-eyes may be employed instead of the lugs 4 if found desirable in practice.

A yoke 5, preferably provided with an angular intermediate portion 6, may be employed, and upon said portion a roller 7 is desirably movably mounted, the roller preferably having an intermediate concavity or be-

ing preferably cut away, substantially as shown at 8, to receive the circular contour of the door-knob, as will be readily understood, and, if desired, the roller 7 may be covered
 5 with rubber, felt, or like material to lessen the impact of the door-knob and avoid injury thereto, as well as to increase the friction between the knob and roller to prevent the accidental disengagement of the former. The
 10 ends of the yoke 5 are preferably coiled to form an eye 9 or loop, essentially as shown in Figs. 1 and 2 of the drawings, and the extremities of the yoke are desirably extended at right angles thereto to limit the movement
 15 of the yoke beyond a position perpendicular to the base 1, substantially as shown in Fig. 1, wherein the extremities 10 are shown in contact with the base 1 by the full lines and perpendicular thereto by dotted lines when
 20 the yoke is folded upon the base 1.

The eyes or loops 9 of the yoke 5 are held in position within the lugs 4 by screws or bolts 11 passing therethrough, so that the yoke 5 is provided with a hinge movement in
 25 relation to the base 1, as will be readily understood, in order that it may be folded thereagainst when not in use to avoid contact by persons or objects.

Secured to or in the base 1 is a receiving-pad 3, which is located with respect to the yoke 5 and is designed to receive the door-knob after the same has sprung over the roller 7, for it is desirable that a certain
 30 amount of elasticity or give shall be possessed by the yoke 5 in order that sufficient frictional engagement may be provided to retain the door-knob against accidental disengagement after the same shall have passed the roller 7.

Referring to Figs. 3 and 4 of the drawings, there is illustrated a modification of the construction herein described and shown where-
 40 in an attaching device is provided, preferably consisting of a curved or horseshoe-shaped plate 12, having an attaching-flange 13, by means of which the device is secured in position upon the base 1, and the device is constructed to receive the end of a shank or rod
 45 14, which is preferably cut away to form a shoulder 15, Fig. 3, constructed to engage the central or intermediate portion of said device and prevent the shank or rod 14 from moving beyond a position perpendicular to the base 1, essentially as shown in Fig. 3 of
 50 the drawings. The shank or rod 14 is preferably bifurcated to receive the roller 7 or like device in a movable manner, essentially as hereinbefore described. If found desirable in practice, the shank or rod 14 may be
 55 made extensible or in telescopic sections in order to provide means for adjusting the same to suit the different lengths of door-knobs.

The operation of this invention will be readily understood from the foregoing description
 65 when taken in connection with the accompa-

nying drawings and the following explanation thereof. The door-catch is first secured in such a position upon the wall or surface against which the door opens that the door-knob will pass over the roller 7 and strike
 70 against the receiving-pad 3, but will not rebound or return, but will be engaged, preferably, upon the under side of the knob thereof by the roller 7 and be retained thereby against accidental movement.

It is not desired to limit this invention to the specific construction, combination, and arrangement of parts herein shown and described, and the right is reserved to make all
 80 such changes in and modifications of the same as come within the spirit and scope of the invention.

What I claim is—

1. A door-catch provided with an attaching portion and a device constructed to engage
 85 frictionally the door-knob when extended and to fold closely upon said portion when not in use.

2. A door-catch provided with an attaching portion, a receiving-pad thereon and a device
 90 constructed to frictionally engage a door-knob when extended and to fold closely upon said portion when not in use.

3. A door-catch provided with an attaching portion carrying a receiving-pad, an antifric-
 95 tion device movably connected with said portion constructed to be supported above the latter to engage the door-knob and to fold thereupon when not in use.

4. A door-catch provided with an attaching
 100 plate or portion to be secured to the wall behind the door when open, lugs or ears upon said portion, a yoke movably connected with said lugs and a roller carried by said yoke
 105 constructed to frictionally engage the under surface of the knob of the door when forced therebeyond.

5. A door-catch provided with an attaching portion or plate to be secured to the wall be-
 110 hind the door when open, a receiving-pad or bumper upon said plate, lugs or ears secured in the former, a yoke movably connected with said lugs and a roller carried by said yoke
 115 constructed to frictionally engage the under surface of the knob of the door when forced therebeyond.

6. A door-catch provided with a rectangular attaching portion carrying a receiving-
 120 pad, a yoke hinged to said portion and carrying a roller and constructed to be extended above said portion to engage a door-knob and to fold thereupon when not in use.

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

JACOB DANIEL.

Witnesses:

G. M. GIFFEN,

L. B. ALDERETE.