

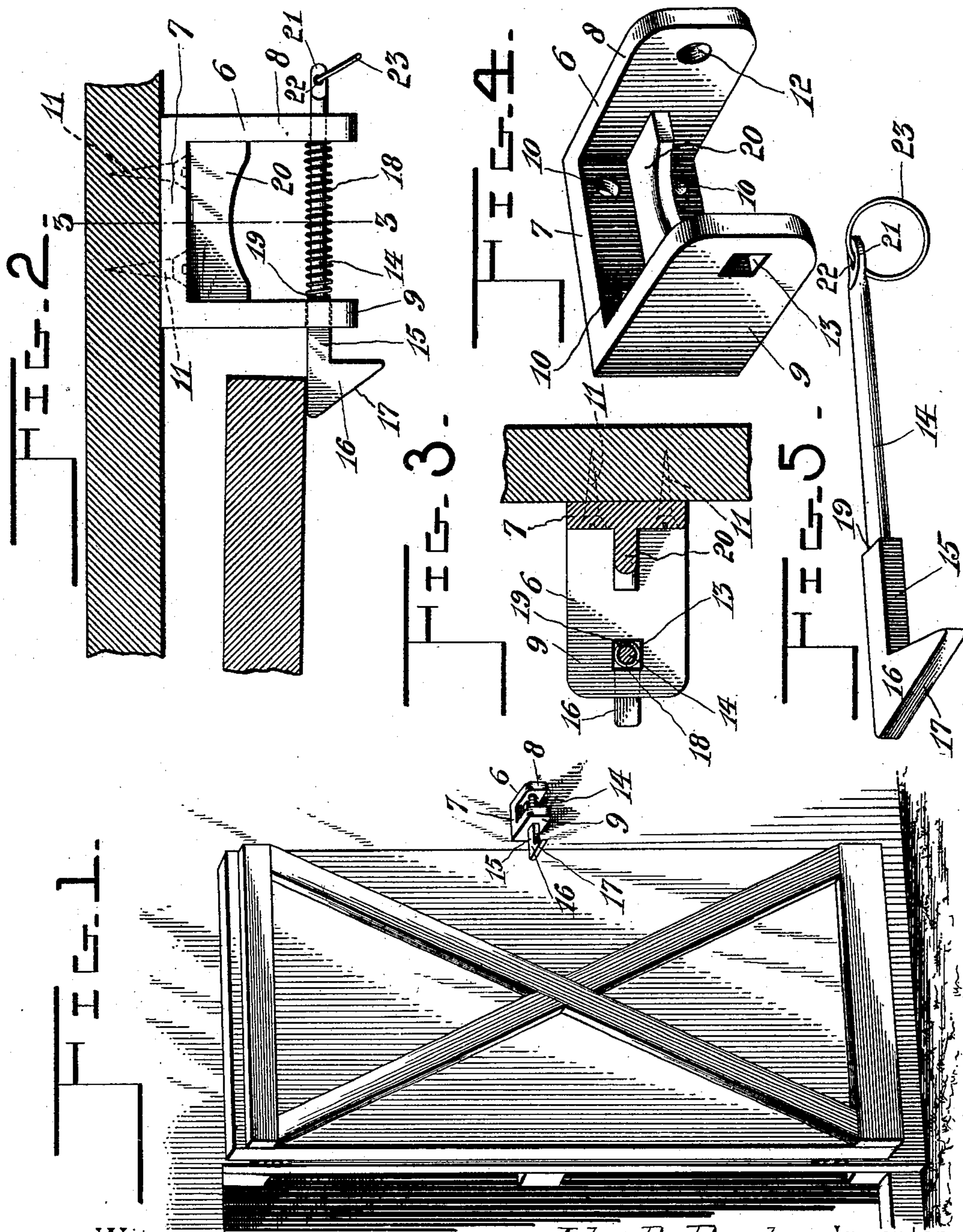
No. 711,463.

Patented Oct. 21, 1902.

J. R. BECK.
DOOR CHECK.

(Application filed Jan. 23, 1902.)

(No Model.)



Witnesses:

John F. Deuperrin
George W. Colles

By

John R. Beck, Inventor,

Marion Marion

Attorneys

UNITED STATES PATENT OFFICE.

JOHN RAIN BECK, OF TERMINUS, CANADA.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 711,463, dated October 21, 1902.

Application filed January 23, 1902. Serial No. 90,927. (No model.)

To all whom it may concern:

Be it known that I, JOHN RAIN BECK, a subject of the King of Great Britain, residing at Terminus, county of Bothwell, Province of Ontario, Canada, have invented certain new and useful Improvements in Door-Checks; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a new and improved door-check for holding barn or other doors in open position to keep them from being swung to accidentally by the wind or other agency; and it comprises an improved latch whereby the door may be swung wide open, when it will automatically catch and hold said door, and by drawing back the latch by means of a handle said door will be released, so that it may be closed.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a sketch showing my improved door-check when mounted in position and holding back a barn-door. Fig. 2 is a plan view of the check, showing portions of the door and wall in cross-section. Fig. 3 is a vertical sectional view on the line 3 3 of Fig. 2. Fig. 4 is a perspective view of the casting which forms the frame for the check, and Fig. 5 is a similar view of the bolt when separated from the casting.

Similar reference-numerals refer to similar parts in all of the figures of the drawings.

My improved door-check consists principally of a stationary frame-piece 6, which is made, preferably, of cast metal and has a back 7 and side flanges 8 and 9 extending rectangularly therefrom. The back 7 is provided with holes 10, through which screws 11 or other similar fastenings may be inserted to hold the check in place against the wall or any suitable object appropriately positioned to engage the edge of the door. The flanges 8 and 9 have each a hole (designated, respectively, 12 and 13) near the outer ends thereof, the said holes being horizontally alined, so as to receive a reciprocating bolt-piece 14. This bolt-piece is squared upon one end, as shown at 15, and from the end thereof projects a triangular lug 16, having an oblique

cam-face 17, which the edge of the door is adapted to press against to force it backward in the ordinary manner of latches. To receive the squared portion 15 of the bolt 14, the aperture 13 is squared to fit the latter and prevent it from turning, and thus hold it in the position shown in Fig. 1; but the rear end of the bolt 14 is preferably rounded and slides in the cylindrical hole 12. A coil-spring 18 surrounds the bolt 14 when it is in position, as shown in Fig. 2, this spring having a stationary bearing at the rear end against the side of the flange 6, while its other end engages the square shoulder 19, formed by the rear end of the squared portion 15 of the bolt, and this presses the bolt forward. The casting 6 is preferably formed with a central web 20, extending horizontally across between the two lugs 8 and 9 in the center of the casting to brace or strengthen the latter and prevent the lugs from being broken off. The rear end of the bolt 14 is also flattened, as shown at 21, and pierced by a hole 22, in which is inserted a ring 23, which may serve as a hand-pull to enable the bolt to be drawn back when it is desired to close the door.

In the operation of my improved latch the casting 6 will be mounted upon a wall or other suitable projecting object close to the edge of the door, either at the side or above or below the same in the position shown in Fig. 1, so that when the door is opening its edge will strike against the cam-face 17 of the bolt 14, as heretofore described, and draw the same backward, and on passing said cam-face the door will be caught by the rear edge of the bolt 14 and held back in position. When it is desired to release the door, a pull upon the ring 23 will draw it back and release the door.

Changes in the form and proportion and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

An improved door check or holder comprising a frame adapted to be mounted upon a wall and having forwardly-extending flanges with holes therein for the reception of a bolt, the rear hole being of circular form and the

front hole of square form, a bolt slidable in
said holes and having its rear end of circular
cross-section and its front end of square cross-
section, the forward end of said bolt being
5 formed with a triangular forwardly-project-
ing lug adapted to be engaged by the door, a
spring bearing against said frame at one end
and against the shoulder formed between the
square and circular portions of the bolt at the
10 other to keep it pressed in its forward posi-
tion, and a ring attached to the rear end of

the bolt to form a handhold for drawing back
the same, the base of the three-limbed frame
having perforations therethrough for secur-
ing it to the wall.

In witness whereof I have hereunto set my
hand in the presence of two witnesses.

JOHN RAIN BECK.

Witnesses:

JAMES EMERY,

GEORGE MCGREGOR.