

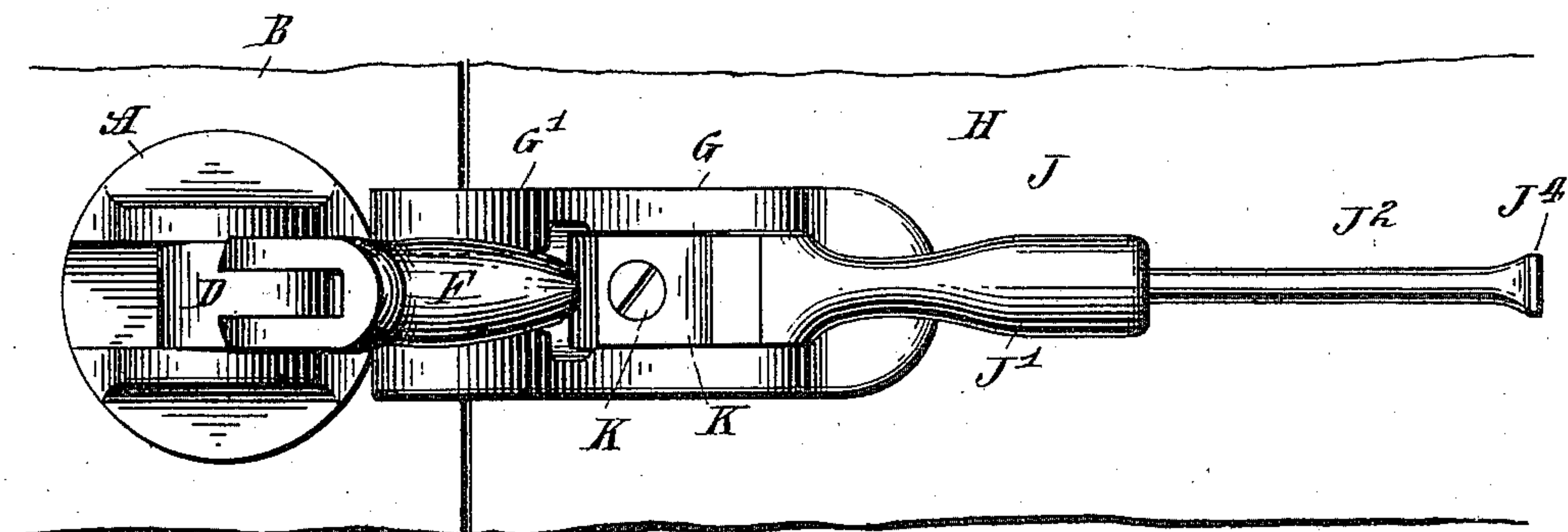
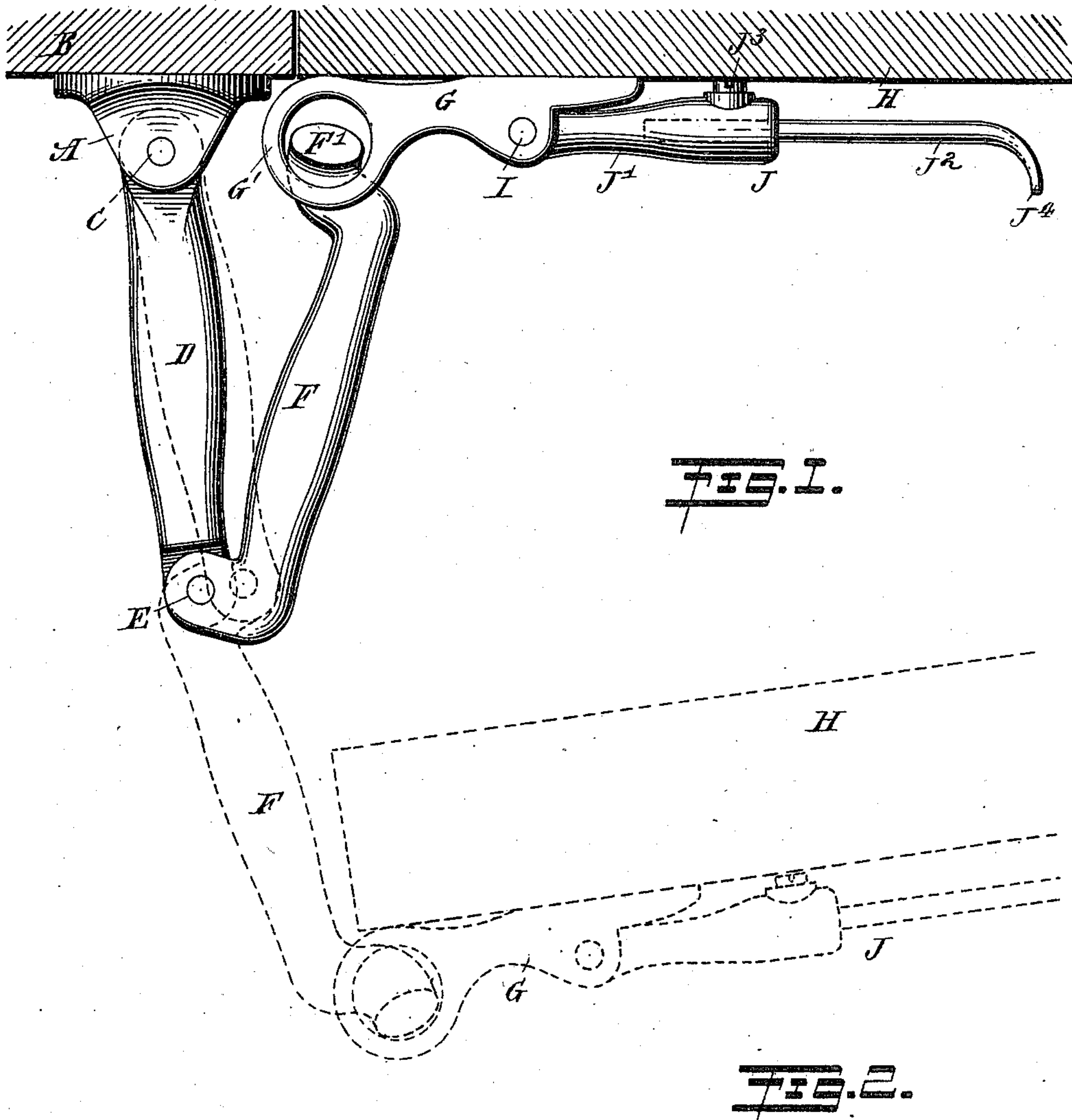
J. SUTER.
DOOR CHECK.

APPLICATION FILED AUG. 3, 1910.

975,805.

Patented Nov. 15, 1910.

2 SHEETS—SHEET 1.



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2 SHEETS—SHEET 2.

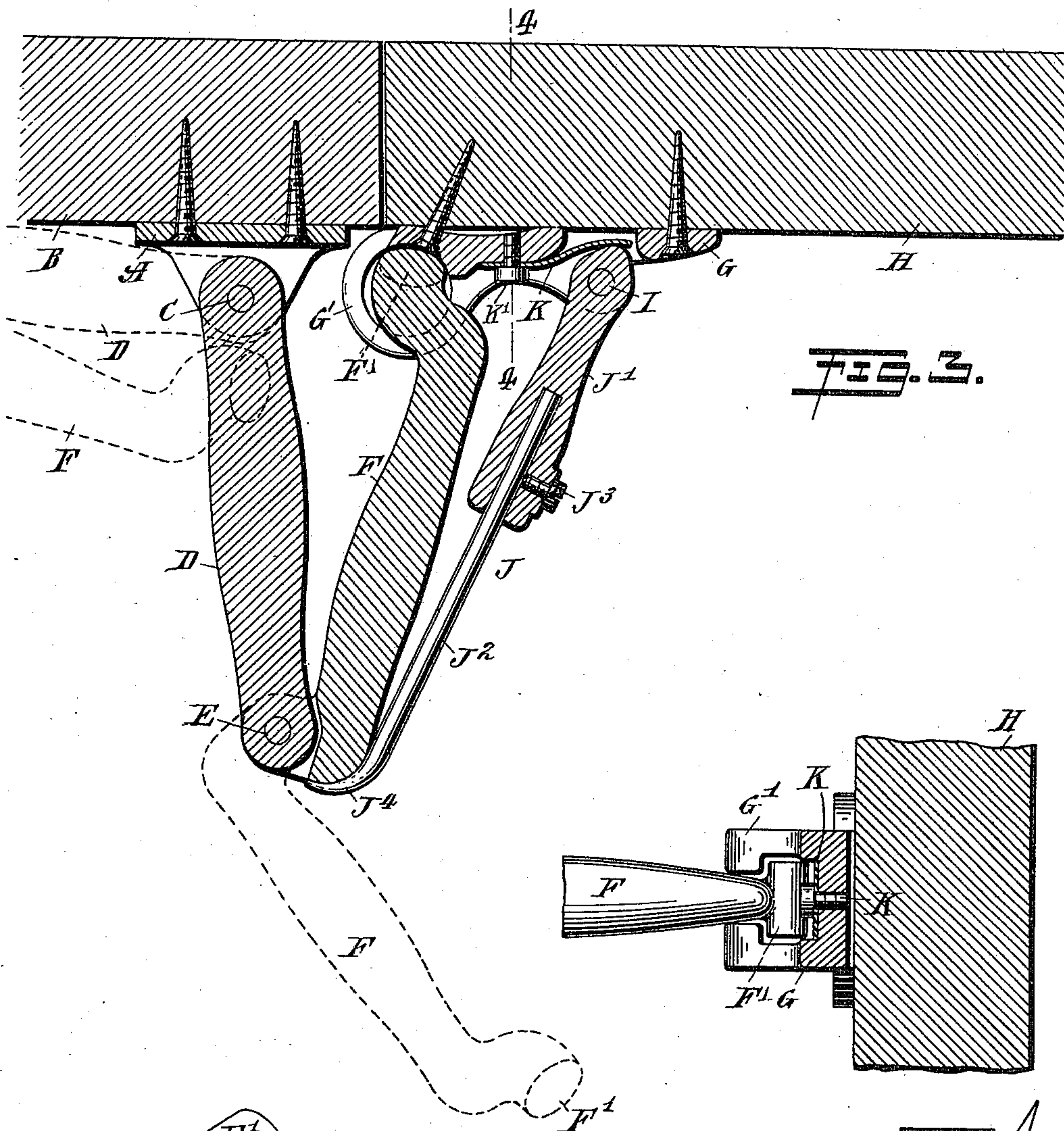


FIG. 3.

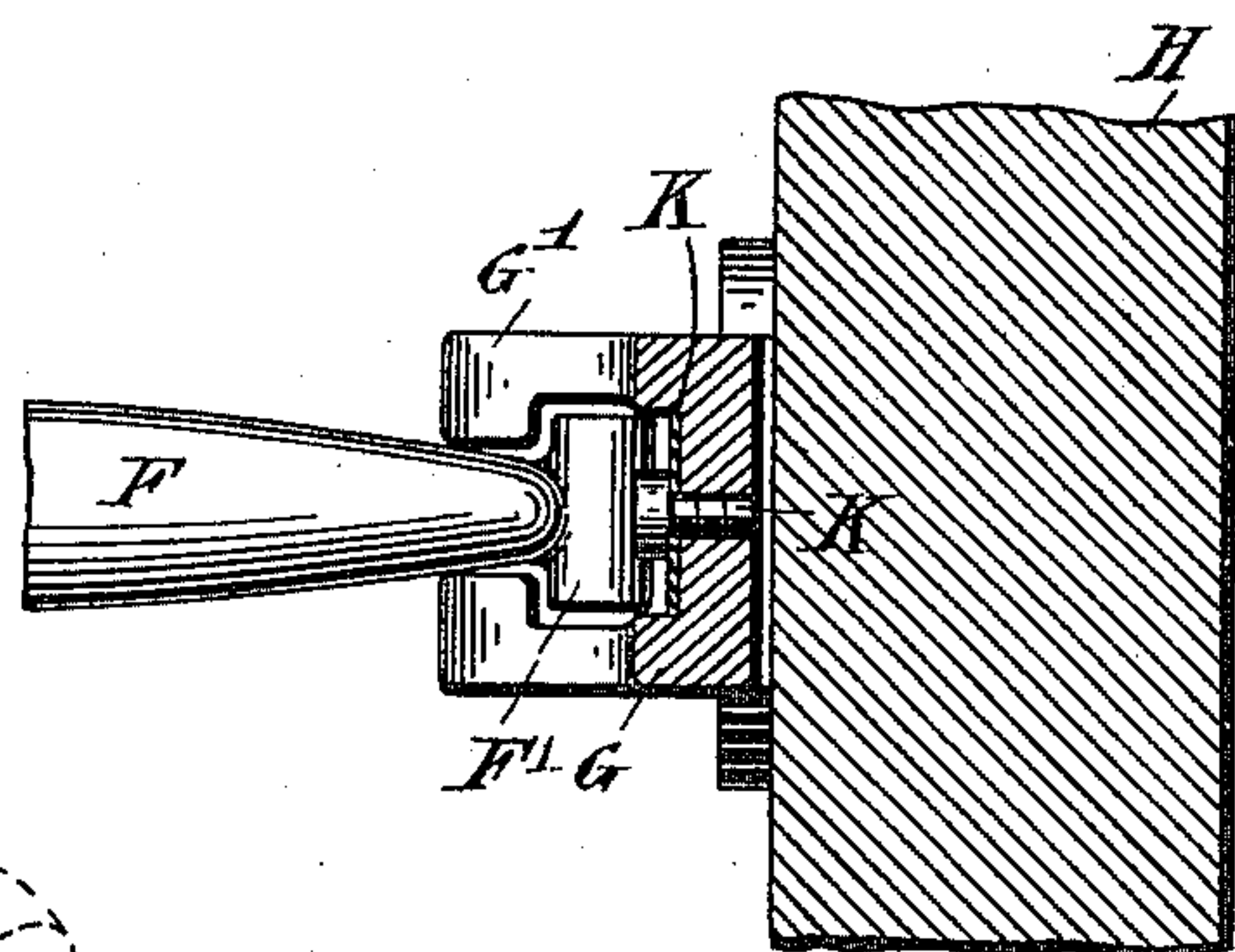


FIG. 4.

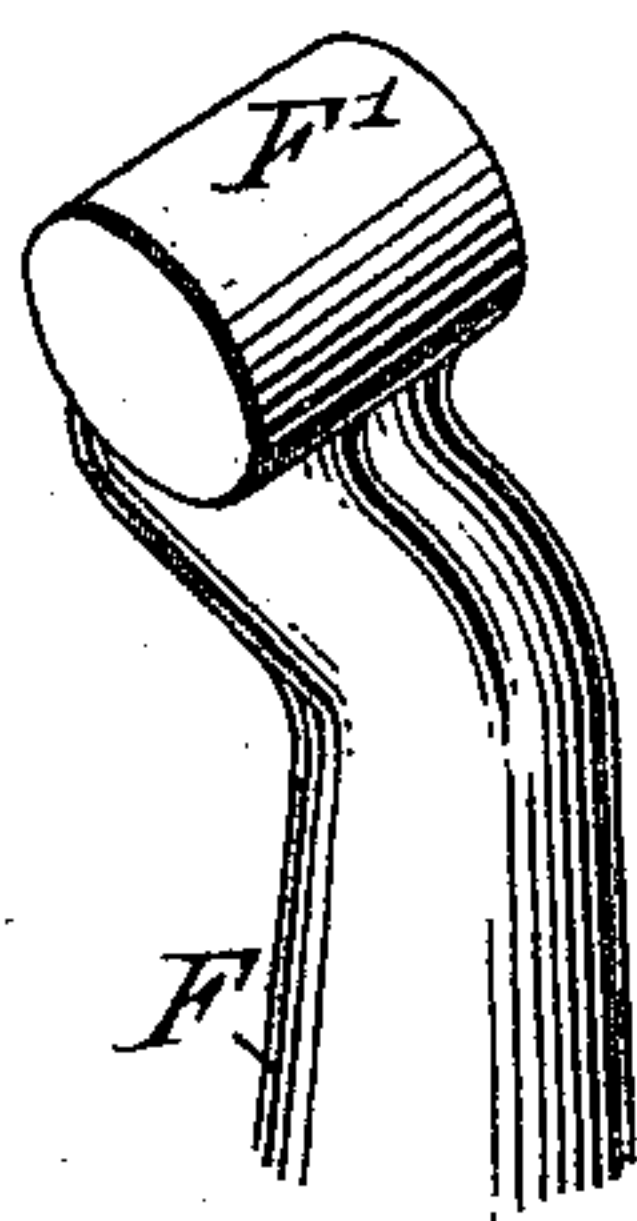


FIG. 5.

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UNITED STATES PATENT OFFICE.

JACOB SUTER, OF JERSEY CITY, NEW JERSEY.

DOOR-CHECK.

975,805.

Specification of Letters Patent.

Patented Nov. 15, 1910.

Application filed August 3, 1910. Serial No. 575,301.

To all whom it may concern:

Be it known that I, JACOB SUTER, a citizen of the United States, and a resident of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and Improved Door-Check, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved door check, arranged for convenient attachment to a door, to allow partial opening of the door for ventilation or other purposes, or to securely lock the door in closed position whenever desired.

For the purpose mentioned, use is made of two rigid arms pivotally connected with each other, one being pivoted to the door jamb and the other arranged for detachable pivotal connection with the door, and a locking member adapted to engage the door arm at its pivotal connection with the door jamb arm, to hold the door locked in closed position.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of the door check as applied, the door and door jamb being shown in section and the door being in a closed position; Fig. 2 is a face view of the same; Fig. 3 is a sectional plan view of the same; Fig. 4 is a cross section of the same on the line 4-4 of Fig. 3; and Fig. 5 is a perspective view of the head end of the door arm.

A hinge plate A is secured to the door jamb B, and is provided with a vertically-disposed pivot C, on which is mounted to swing the door jamb arm D, carrying at its free end a vertical pivot E, engaging one end of a door arm F, provided at its free end with a head F' engaging the slotted eye G' of a check plate G, screwed or otherwise fastened to a door H near the edge thereof directly opposite the hinge plate A. The check plate G is provided at one side of the eye G' with a vertically-disposed pivot I, on which is mounted to swing a locking bar J, preferably made in two sections J', J², of which the section J² is adjustably secured in the section J' by a set screw J³, as plainly indicated in Fig. 3. The outer or free end of the section J² of the locking bar J is formed into a hook J⁴ adapted to engage

the pivotal outer end of the door arm F at the time the door H is in a closed position, as shown in Fig. 3, so that the door check locks the door H against opening, as the arms D and F are held against swinging by the action of the locking arm J, which practically forms a brace for the door arm F. The pivotal end of the section J' of the locking arm J is engaged by a spring K, secured by a screw K' to the check plate G, the said spring K holding the locking bar J either in its active position, as shown in Fig. 3, or in its inactive position, as shown in Fig. 1, that is, when disengaged from the door arm F and swung against the face of the door H. When the several parts are in the position shown in Fig. 1, the door H can be partly opened, as indicated in dotted lines in the said figure, that is, the door can swing open to the extent of the arms E and F. When it is desired to permit free opening of the door H, the head F' of the arm F is disengaged from the eye G', and then both arms D and F are swung over against the face of the door jamb B, as indicated in dotted lines in Fig. 3, so that the door H can be opened and closed in the usual manner without interference by the door check.

When it is desired to lock the door H in a closed position, use is made of the locking bar J, which is then moved into active position so as to engage with its hook J⁴ the outer end of the door arm F, as indicated in Fig. 3, whereby the arm F is held against swinging, as the bar J forms a brace for the said arm F and consequently the door cannot be opened.

The door check shown and described is very simple and durable in construction, can be cheaply manufactured and readily applied to doors as now constructed.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A door check, comprising a door arm, a door jamb arm, the arms being pivotally connected with one another, and the door jamb arm being pivoted to a door jamb while the door arm is adapted for detachable pivotal connection with a door, and a locking device for holding the said arms in locked position at the time the door is closed, the said locking device being attached to the door and adapted to engage the door arm at its pivotal connection with the door jamb arm.

2. A door check, comprising a door arm, a door jamb arm, the arms being pivotally connected with one another, and the door jamb arm being pivoted to a door jamb
5 while the door arm is adapted for detachable pivotal connection with a door, and a locking bar pivoted to the door and having a hook adapted to engage the door arm at its pivotal connection with the door jamb
10 arm.

3. A door check, comprising a door arm, a door jamb arm, the arms being pivotally connected with one another, and the door jamb arm being pivoted to a door jamb
15 while the door arm is adapted for detachable pivotal connection with a door, a locking bar pivoted to the door and having a hook adapted to engage the door arm at its pivotal connection with the door jamb arm,
20 and a spring engaging the heel of the said locking bar to hold the bar in either locked or unlocked position.

4. A door check, comprising a door arm, a door jamb arm, the arms being pivotally
25 connected with one another, and the door jamb arm being pivoted to a door jamb, while the door arm is adapted for detach-

able pivotal connection with a door, and a locking bar pivoted to the door and having a hook adapted to engage the door arm at
30 its pivotal connection with the door jamb arm, the said locking bar being made in sections one adjustable on the other.

5. A door check, comprising a door arm, a door jamb arm, the arms being pivotally
35 connected with one another, and the door jamb arm being pivoted to a door jamb, while the door arm is adapted for detachable pivotal connection with a door, a locking bar pivoted to the door and having a
40 hook adapted to engage the door arm at its pivotal connection with the door jamb arm, the said locking bar being made in sections one adjustable on the other, and a spring engaging the heel of the pivotal end of the
45 said locking bar to hold the bar in either locked or unlocked position.

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

JACOB SUTER.

Witnesses:

F. W. HANAFORD,
JOHN P. DAVIS.