

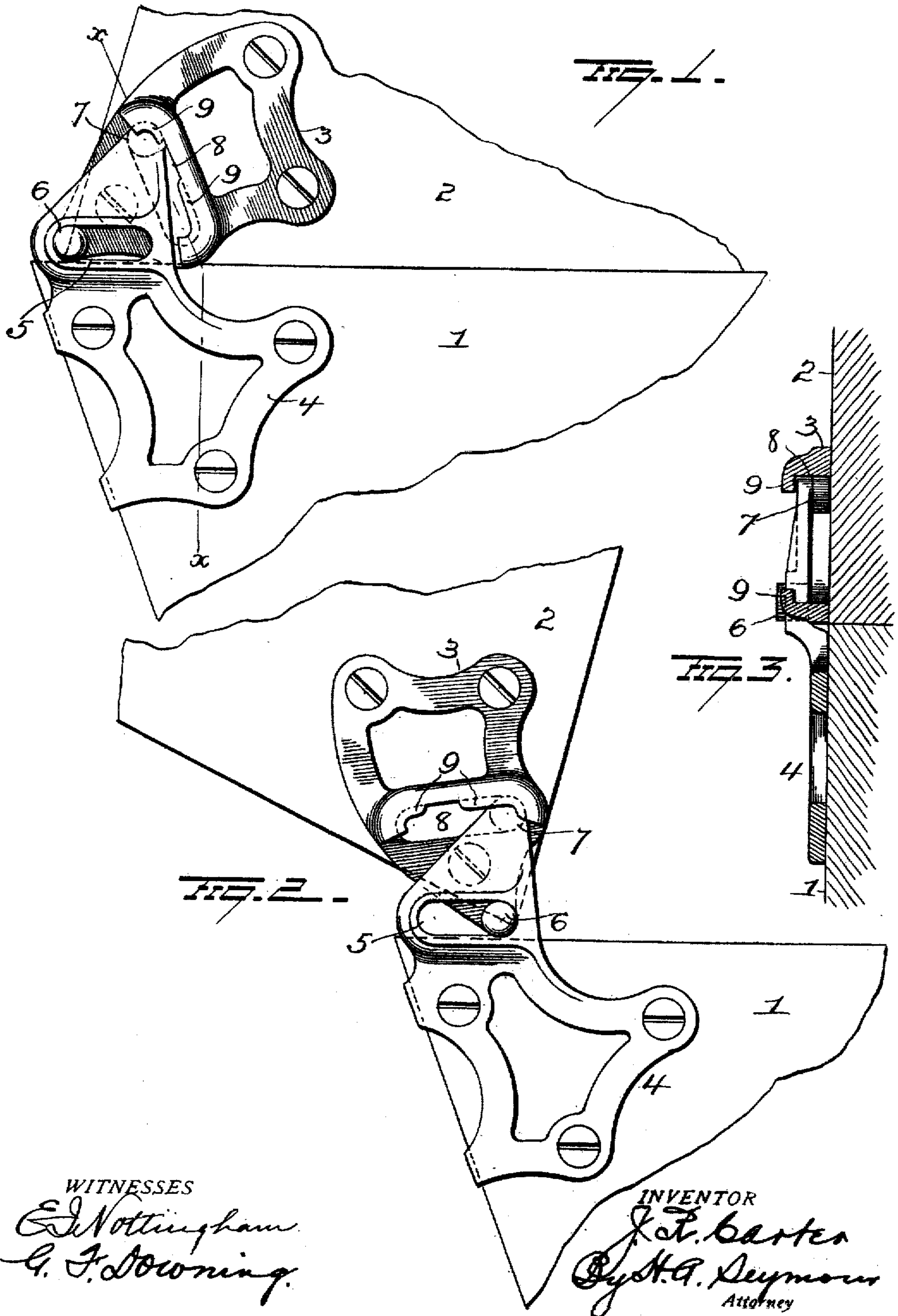
No. 814,355.

PATENTED MAR. 6, 1906.

J. R. CARTER.

HINGE.

APPLICATION FILED MAR. 24, 1905.



UNITED STATES PATENT OFFICE.

JOHN R. CARTER, OF AUGUSTA, KENTUCKY, ASSIGNOR TO ERNST H. HUENEFELD, OF CINCINNATI, OHIO.

HINGE.

No. 814,355.

Specification of Letters Patent.

Patented March 6, 1906.

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To all whom it may concern:

Be it known that I, JOHN R. CARTER, a resident of Augusta, in the county of Bracken and State of Kentucky, have invented certain new and useful Improvements in Hinges; and I do hereby declare the following to be 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 improvements in hinges, more particularly for use on washing-machines, boxes, and trunks, &c., the object of the invention being to provide a hinge consisting of two members, each of which has a slot and a lug or pin, the pin or lug of each member being located in the slot of the other to guide and limit the movement of the members, and, further, to provide improved means for preventing lateral separation of the members.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in side elevation, illustrating my improvements. Fig. 2 is a view showing the hinge in its open position, and Fig. 3 is a view in section on the line *x x* of Fig. 1.

1 represents a body, and 2 a cover therefor.

3 and 4 represent the members of my improved hinge, the former secured to the cover and the latter to the body. These members 3 and 4 are made with overlapping portions, and the overlapping portion of lower member 4 has an approximately horizontal slot 5 to receive an outwardly-projecting pin or lug 6 on the lower end of the upper member, and an inwardly-projecting pin or lug 7 is provided at the upper end of the lower member projecting into an inclined slot 8 in the upper member. To prevent lateral separation of the hinge members, one side and both end walls of the slot 8 in member 3 are provided with a flange or flanges 9 to engage over the upper end of member 4 behind lug or pin 7 when the hinge is open or closed or in its movement in opening or closing, and to facilitate assembling of the hinge members this flange or flanges 9 is or are pro-

vided with an entrance for the end of member 4, carrying lug 7.

The operation of my improvements is as follows: When the cover is opened, the lug or pin 6 moves forward in slot 5 as the slotted portion 8 of member 3 rides on pin or lug 7, thus carrying the end or edge of the cover forward over the body, and when the cover reaches its extreme open position the pin or lug 6 will be in the forward end of slot 5, and the forward end of slot 8 will be stopped by lug 7, and the flange 9 will lock the members against lateral separation. In closing lug or pin 6 moves back in slot 5, and slot 8 moves down on pin or lug 7 until the parts reach their normal closed position, as shown in Fig. 1.

The members of the hinge can of course be reversed with but slight modification, and a great many changes might be made in the general form and arrangement of the parts described without departing from my invention, and hence I would have it understood that I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. A hinge comprising two members, each having a slotted portion, each of said members overlapping the slot in the other, and each member having a pin to enter the slot in the other member, one of said pins projecting in a direction opposite to that of the other.

2. A hinge comprising a lower member and an upper member, each of said members having a general triangular shape, the upper member having a transverse slot, and an outwardly-projecting pin below said slot, the lower member having a transverse slot to receive said outwardly-projecting pin on the upper member, said lower member having an inwardly-projecting pin to enter the slot in the upper member.

3. A hinge comprising an upper member and a lower member, having triangular overlapping portions, and each member having a laterally-projecting pin at the apex of its tri-

angular portion, the upper member having a transverse slot above the pin thereon to receive the pin on the lower member, and the lower member having a horizontal slot below the pin thereon to receive the pin on the upper member.

4. In a hinge, the combination of two members having overlapping portions, each member having a guiding-slot in its overlapping portion, a lug or pin on each member located in and guided by the slot of the other member, and means for locking the members against lateral separation and bracing the upper end of the lower member.

5. In a hinge, the combination of two members having overlapping portions one of said members having a guide, a lug or pin on the other member movable against the guide, and means projecting from the guide for preventing lateral escape of the lug or pin therefrom and for bracing the upper end of the lower member.

6. In a hinge, the combination of two members having overlapping portions, one of said members having a guide-slot, a lug or pin on the other member located in said slot, and a flange on the wall of the slot preventing lateral escape of the lug or pin and bracing the upper end of the lower member.

7. In a hinge, the combination of upper and lower members having overlapping por-

tions, the overlapping portions of the lower member having an approximately horizontal slot therein, and the overlapping portion of the upper member having an inclined slot, an outwardly-projecting pin or lug on the upper member located in the slot of the lower member and an inwardly-projecting pin or lug on the lower member located in the inclined slot of the upper member.

8. In a hinge the combination of upper and lower members, having overlapping portions, the overlapping portion of the lower member having an approximately horizontal slot therein, and the overlapping portion of the upper member having an inclined slot therein, an outwardly-projecting pin or lug on the upper member located in the slot of the lower member, an inwardly-projecting pin or lug on the lower member located in the slot of the upper member, and a flange on the slotted portion of the upper member projecting over the lower member and holding the members against lateral separation.

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

JOHN R. CARTER.

Witnesses:

S. W. FOSTER,

R. S. FERGUSON.