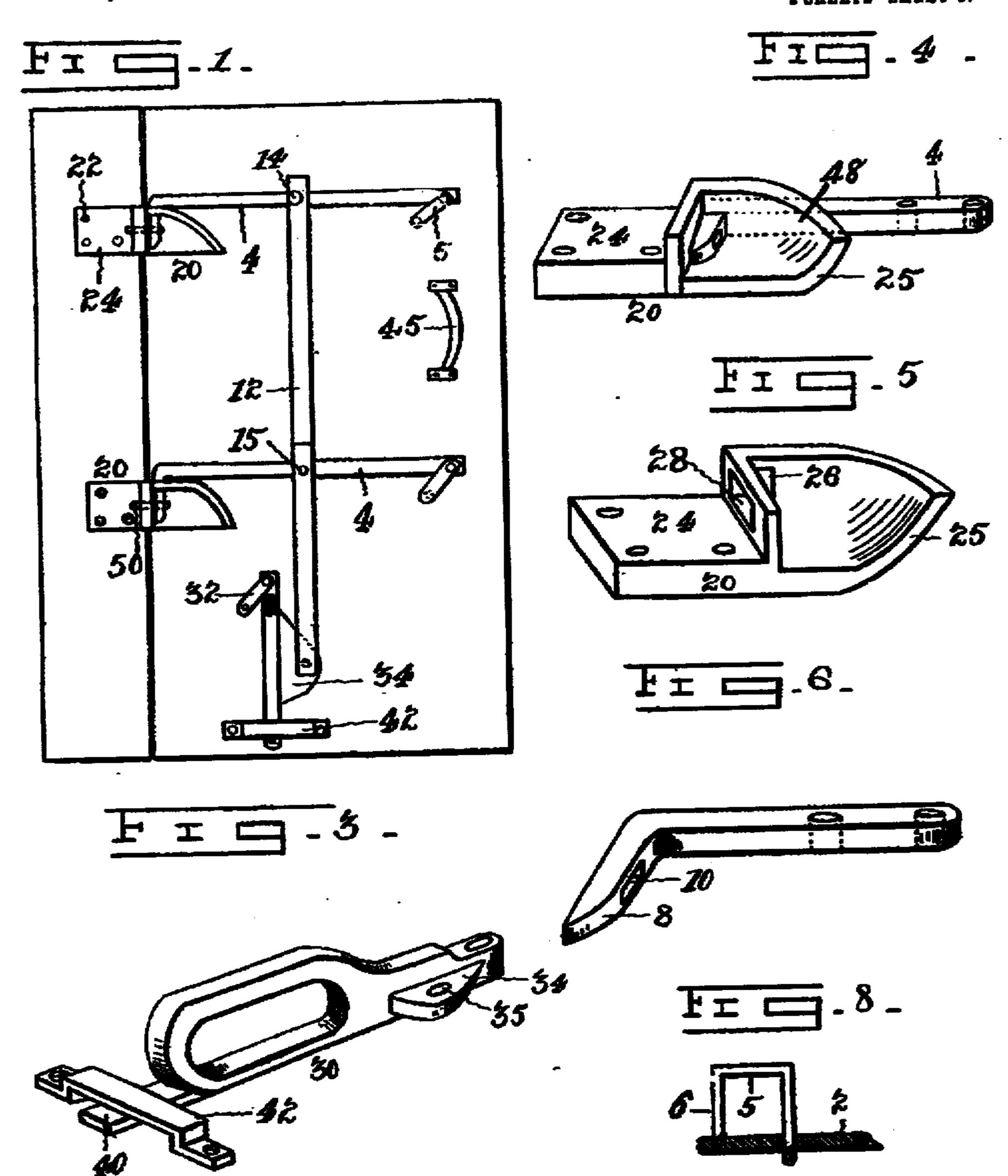
## F. O. DOHLIN. CAR DOOR FASTENER. APPLICATION PILED BEPT. 18, 1998.

908,452.

Patented Jan. 5, 1909. 2 SHEETS—SHEET 1.



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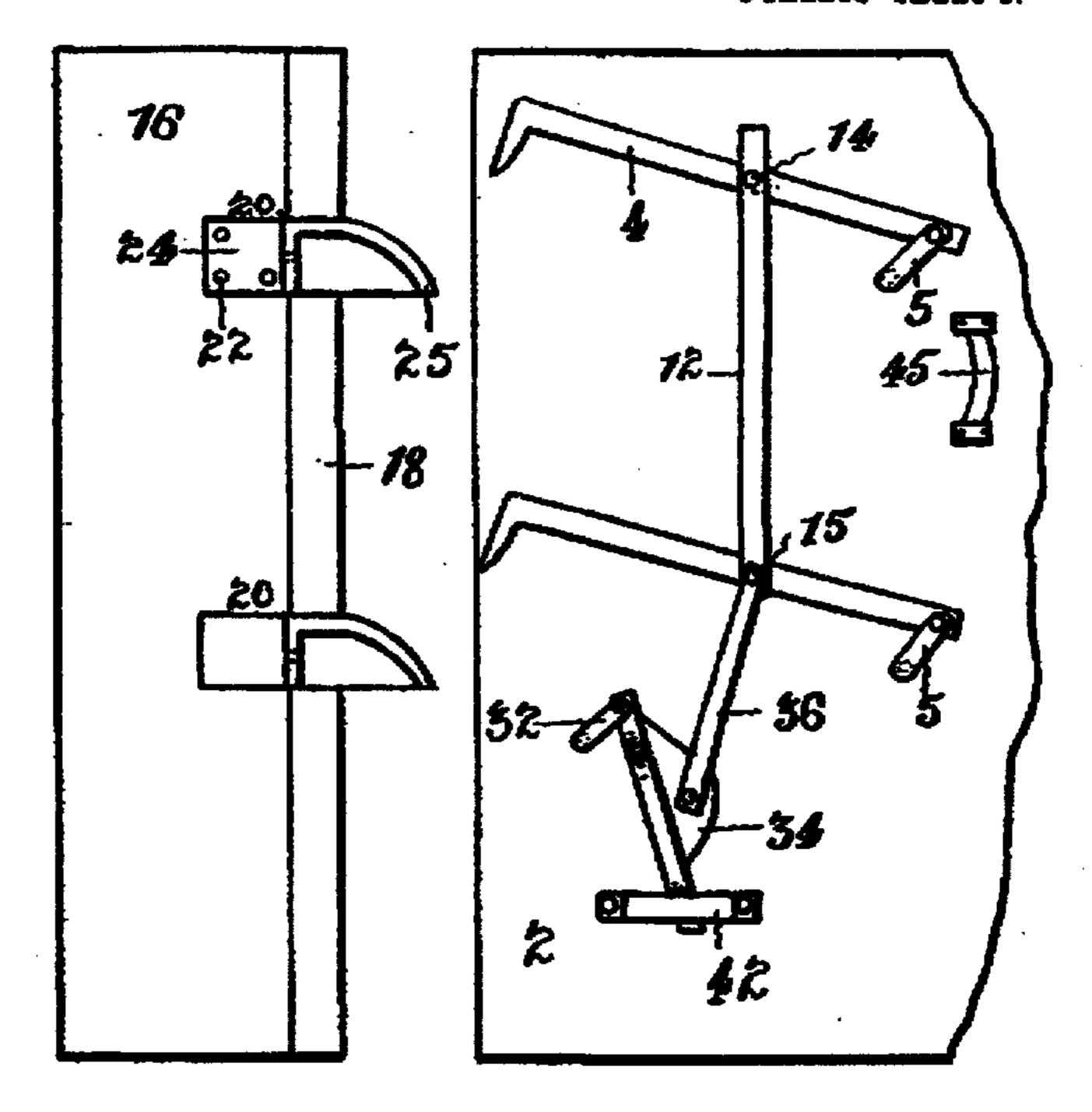
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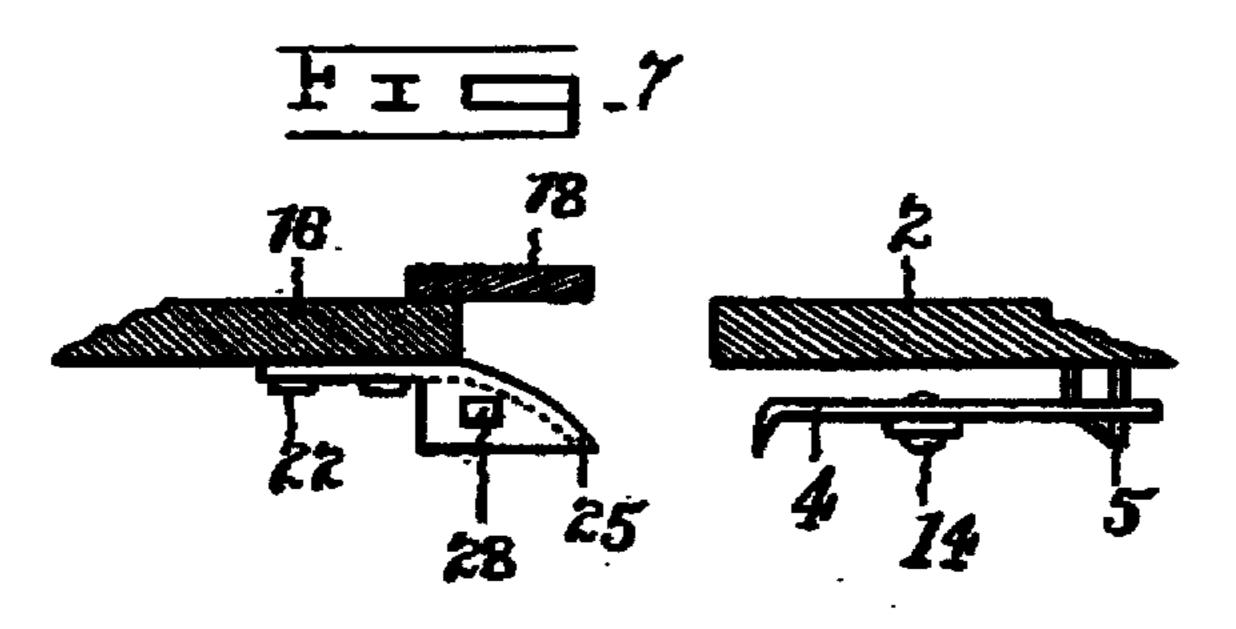
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Patented Jan. 5, 1909.

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## UNITED STATES PATENT OFFICE.

FRANK O. DOHLIN, OF DUBUQUE, IOWA.

## CAR-DOOR FASTENER.

No. 908,482.

Specification of Letters Patent.

Patented Jan. 5, 1909.

Application filed September 18, 1908. Serial No. 453,709.

To all whom it may concern:

Be it known that I, FRANK O. DOHLIN, a citizen of the United States, residing at Dubuque, in the county of Dubuque and State 5 of Iowa, have invented certain new and useful Improvements in Car-Door Fasteners, of which the following is a specification.

10 doors and has for its object to automatically | It is manifest that on small doors one hook double lock and seal the door and also furnish means for operating the double lock and opening the door.

In what it consists, its mode of construc-15 tion and manner of operation will be fully described and shown in the following specification and drawings accompanying the same

and forming a part hereof.

20 closed and locked with my device thereon. pose of limiting the movements of the hanopen. Fig. 3, is a perspective view of the also limited in one direction by the staple 32. catch with the hook in engagement there-25 with. Fig. 5, is a perspective view of Fig. 4, taken fr m one end. Fig. 6, is a perspective view of one of the hooks. Fig. 7, is the top view of the door and jamb with the device in position and the door and jamb in section, and 30 Fig. 8, a staple to which a hook is pivoted. Like characters of reference denote corre-

sponding parts in each of the drawings. Referring to the drawings, 2 designates the door and 4 the hooks which are pivoted 35 to a staple 5. The staple passes through the door and is bent in rectangular shape with the end 6 slightly engaging the door sufficient to keep it from turning. This staple acts as a rest for the hook when it is in engagement 40 with the catch or when the door is locked or when the door is opened. The opposite end of the hook is bent downward at 8 and provided with an opening 10. These two hooks 4 are connected together by a bar 12 to 45 which they are pivoted near their centers by the pivot pins 14 and 15.

To the jamb 16 of the door which is securely fastened to the door post 18 are attached catches 20, by bolts or screws 22. 50 These catches are shown in Figs. 4 and 5 and consists of a rectangular member 24 and a curved end 25 rounded to a point and provided with an opening 26 through the top 55 with the rectangular member 24 which open-

4. For the purpose of raising these hooks out of the catches or locks there is provided a handle 30 which is pivoted to the door 2 by a staple 32 similar to the staple 5 to which 60 is pivoted the hooks 4. The handle is provided in one side with a projecting plate 34 having a hole 35 therethrough in which is My invention has relation to fasteners for pivoted a lever 36 that is also pivoted at its car doors with special reference to sliding opposite end to the bar 12 and lower hook 4. Es and catch may be all that is necessary and in that case the lever 36 would be pivoted directly to the hook. The handle 30 is also provided with an opening therethrough for 70 inserting the hand of the operator, not only to operate the hooks but also to open the door. There is also secured to the base of the handle or integral therewith a plate 40 Figure 1, is a side elevation of a car door across which is a strap or loop 42 for the pur- 75 Fig. 2, shows the same with a door partly die and to stay it in a given position. It is handle. Fig. 4, is a perspective view of the There may also be secured to the door a handle 45 for opening and closing the door when 83 necessary.

> The manner of operating my device is substantially as follows: Starting with the door closed and the hooks in engagement with the catches, the operator grasps the 85 handle and moves it to the right, which action forces the lever 36 against the bar 12 and lifts the two hooks out of engagement with the catches 20. The further movement of the handle 30 to the right will bring 90 the plate 40 into engagement with the loop 42 and prevent any further movement of the handle in that direction but the further pressure upon the handle will shove the door open and it will then have appearance as 95 shown in Fig. 2. When it is desired to close the door the operator may grasp the handle 45 and push the door together and as the door closes together the weight of the handle 30 together with the weight of the 100 hooks and the bar 12 with the lever 36 will bring the hooks into engagement with the hole 28 in the catches 20. The operator then secures the seal 50 through the hole 10 in the hook 4 and the hole 28 in the catch 20. 105

If the door be warped or for any reason does not run in a vertical plane then the door will engage with the curve 48 of the catch 20 and force it in between the door and also an opening 28 on the plane parallel post 18 and catches and into engagement 110 with the jamb 16.

ing registers with an opening 10 in the hook | Having now described my invention what

Patent is:

hooks pivoted to the door, connections be- ends and by which they are limited in their tween the hooks, a lever pivoted to one of movements in one direction, a bar connecting the hooks and to the connection between the two hooks to which the hooks are pivprovided with a plate to which said lever is the door, a plate in one side of the handle, a pivoted, in combination with a plurality of lever pivoted to said plate and to one of the 10 catches secured to the jamb of the door and hooks, in combination with a plurality of adapted to be engaged by the hooks on the catches secured to the jamb of the door and

door and lock the door.

to which the hook is pivoted at one end and one end to guide the door in closing. 15 having means connected with the staple to 5. In a car-door fastener, a hook pivoted limit the movement of the hook in one di- to the door by a staple and having an opento the door and provided with a plate in one on the jamb of the door and extending be-20 side, a lever pivoted to the plate and to the youd the edge of the door when the door is central part of the hook, in combination closed and adapted to be engaged by the door and curved outwardly and provided opening at right angles to each other, a 25 and a seal adapted to engage one of the door and provided with a plate, means at-

30 hooks pivoted to the door and each hook part of the hook. provided with an opening in its end, a plu- 6. In a car-door fastener, a hook pivoted rality of catches secured to the jamb of the at one end to the door, in combination with door and projecting beyond the edge of the a catch rigidly fastened to the jamb of the 75 jamb, said catches provided with points door and provided with a doubled curved 35 curved outwardly to guide the movement projecting end to guide the door in closing of the door, and also having both vertical and to guide the hook into engagement with and horizontal openings there through, the catch. hooks from engagement with the catches in presence of two witnesses. 40 consisting of a lever pivoted to one hook and connected to the other, and means attached to the door for causing the lever to operate the hooks.

4. In a car-door fastener, a plurality of

I claim and desire to secure by Letters | hooks provided with openings through their 45 points, staples secured in the door to which 1. In a car-door fastener, a plurality of each of the hooks are pivoted at one of their the hooks a handle pivoted to the door and oted near their centers, a handle pivoted to 50 each provided with two openings at right 55 2. In a car-door fastener, a hook, a staple angles to each other and double curved at

rection said book provided with an opening ing there through near the point and pro- 60 near the point of the hook, a handle pivoted jecting within the limits of the door, a catch with a catch secured to the jumb of the hook said catch having therein two holes 65 with two openings at angles to each other, handle for operating the hook pivoted to the openings in the catch and an opening in the tached to the door and engaging the handle hook and seal the two together. to limit its movements, and a lever pivoted 70 3. In a car-door fastener, a plurality of to the plate on the handle and to the central

means for simultaneously releasing the Intestimony whereof I affix my signature, 80

FRANK O. DOHLIN.

Witnesses: M. M. CADY, R. SULLIVAN.