

C. ISAKSON.
DOOR CATCH.
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1,224,382.

Patented May 1, 1917.

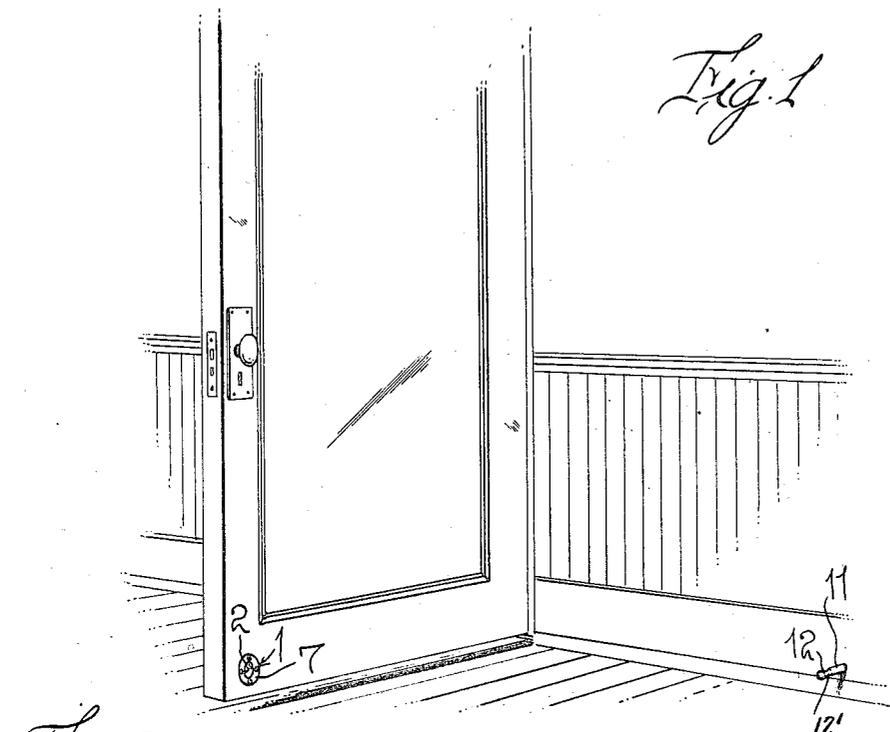


Fig. 1

Fig. 2

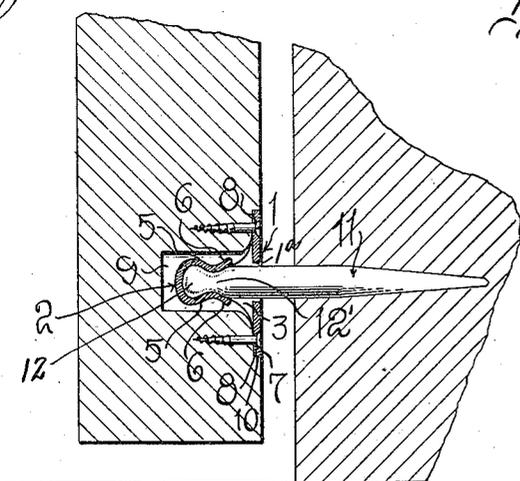
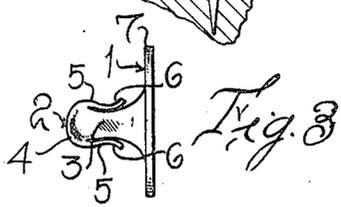
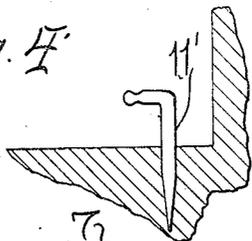


Fig. 4



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DOOR-CATCH.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CARL ISAKSON, a subject of the King of Sweden, residing at Dunseith, in the county of Rolette and State of North Dakota, have invented certain new and useful Improvements in Door-Catches, of which the following is a specification, reference being had to the accompanying drawings.

This invention comprehends certain new and useful improvements in door catches, and it has for its primary object a practical, durable and efficient construction of device of this character, which may be very cheaply made and easily secured to a door, and to the wall or floor so as to hold a door in open position and prevent it from slamming shut or swinging to and fro, while at the same time, although the catch will hold the door securely in open position, as desired, it will not prevent the door from being closed when grasped by a person's hand, the device acting with frictional engagement or contact between a keeper carried by the door and a locking or catching pin secured to the wall or floor in juxtaposition to the door.

And the invention also aims to generally improve devices of this class so as to render them more useful and commercially desirable.

With these and other objects in view, as will more fully appear as the description proceeds, the invention consists in certain constructions, arrangements and combinations of the parts that I shall hereinafter more fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawing, in which—

Figure 1 is a perspective view showing my door catch in applied position,

Fig. 2 is a transverse sectional view through the device.

Fig. 3 is a side view of the keeper detached, and

Fig. 4 illustrates a modified or alternative form of locking pin which may be employed.

Corresponding and like parts are referred to in the following description and designated in all of the views of the accompanying drawing by like reference characters.

My improved door catch comprises a keeper 1 which is preferably a one-piece or integral structure, embodying a socket member 2 that includes webs 3 and a preferably

rounded cross bar 4 integrally connecting said webs together at their inner ends, the webs being preferably inwardly tapered, as clearly illustrated in the drawing.

Extending forwardly from and preferably forming integral parts of the cross bar 4, are inwardly bowed lips 5 which are located in the spaces between the opposing edges of the webs 3, said lips having outturned extremities 6 as shown.

A disk or plate 7 is secured to or preferably formed integral with the forward ends of the webs 3 and is provided with screw holes 8 whereby the device may be securely fastened in place. The disk or plate 7 is also provided with an opening 1^a in alinement with the socket 2.

For attaching the device to the door, the latter is formed with a socket 9 of the required depth and diameter for the reception and accommodation of the socket member 2, and with a recess 10 surrounding the entrance end of the socket 9, wherein the disk or plate 7 may be countersunk, screws or similar fastening devices being received in the holes 8 whereby the device may be securely fastened in position.

In connection with the keeper 1, a locking or catching pin 11 is employed. This is formed with a preferably rounded head 12 having a reduced neck portion 12' and is secured, for example, to the wall at the proper point so that the head, projecting out from the wall, will enter the socket member 2 when the door is opened, and be engaged between and held by the inwardly bowed lips 5 of the keeper.

If desired, the pin 11 may be provided with a bent shank 11' so that it may be secured in the floor instead of in the wall.

From the foregoing description in connection with the accompanying drawing, the operation of my improved door catch will be apparent. In the practical use of the device, the keeper 1 is secured to the door at any desired point, and the pin 11 is secured to the wall or floor at a corresponding point, so that when the door is opened, the head 12 will be received in the socket member 2 and frictionally held thereby.

While the accompanying drawing illustrates what I believe to be the preferred embodiment of my invention, it is to be understood that the invention is not limited thereto, but that various changes may be made in the construction, arrangements and propor-

tions of the parts without departing from the scope of the invention as claimed.

It is also to be understood that while the invention is herein illustrated and hereinbefore referred to particularly for use in connection with holding a door open, it is applicable also for use in holding doors closed, as, for example, the doors on medicine chests, kitchen cabinets, buffets, or any small door requiring an inside catch.

What is claimed, is:

A catch of the character described comprising an integral structure embodying a plate provided with an entrance opening, a socket member in spaced relation relative to

the plate, the entrance end of the socket facing the plate and in alinement with the entrance opening of the plate, diametrically opposed webs connecting the plate and the socket member, the marginal portions of the socket between the webs being provided with inwardly bowed lips capable of relative movement.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

CARL ISAKSON.

Witnesses:

J. G. LAMONT,
MARY ST. JOHN.