April 11, 1961 V. K. BROWN, JR 2,979,355

DOOR BRAKE

Filed April 18, 1958

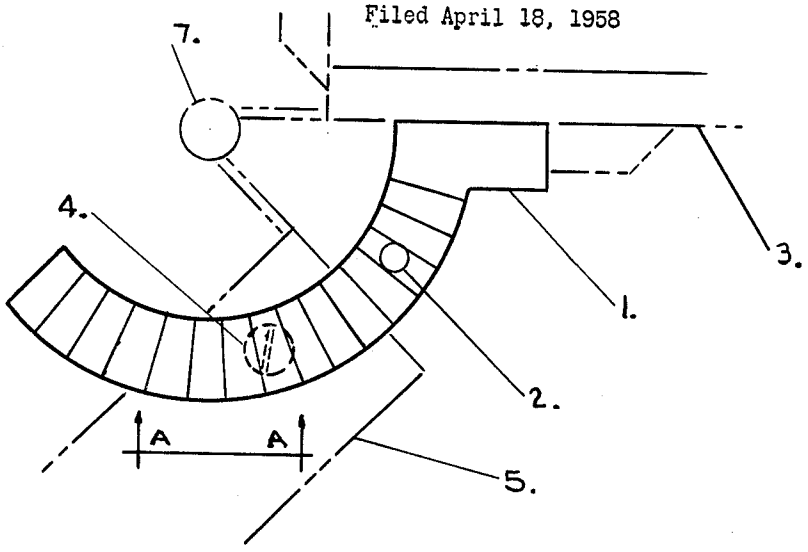


FIG. 1

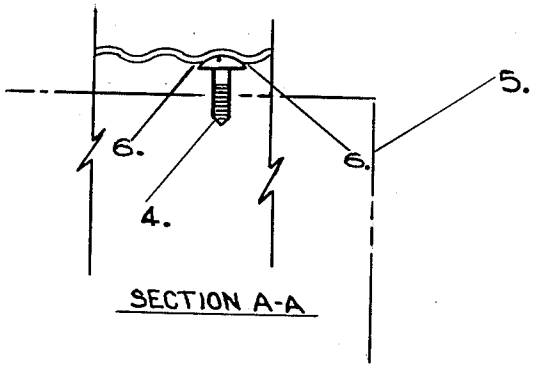


FIG. 2

V. K. Brown, Jr.

United States Patent Office

2,979,355

Patented Apr. 11, 1961

2,979,355

DOOR BRAKE

Vergil K. Brown, Jr., 10042 S. Prospect Ave., Chicago 43, Ill.

Filed Apr. 18, 1958, Ser. No. 729,400

2 Claims. (Cl. 292—76)

This invention relates in general to brakes for hinged closures, and more particularly relates, but is by no means limited, to brakes for hinged doors as are found in building such as homes, etc.

It is well known that, particularly in older buildings, factors such as the settling of the foundation may cause the frame of a door to go out of plumb, in turn causing the door to tend to swing by its own weight to a particular position which may be extremely annoying in many cases. An object of my invention is to overcome this irritating tendency by increasing the resistance of the door to any change in its position, in an amount sufficient to overcome the effects of gravity but not sufficient to prevent normal use of the door. Other objects and a fuller understanding of the invention may be had by referring to the following specification and claims, taken in conjunction with the accompanying drawing:

Figure 1 shows one embodiment of the invention installed above a door as it might appear from above;

Figure 2 shows a partial side elevation of the same installation, as indicated by the section A—A from Figure 1.

In the embodiment shown, a member with a partially arcuate portion **1** is attached by means of a screw at hole **2** to the lintel of a doorway adjacent to the jamb **3**. Another screw **4** is mounted in the top edge of the door **5** with the head protruding therefrom sufficiently to engage the crests **6** of the member **1** in slidable contact upon any substantial change in the angular position of the door **5** about its hinges **7**. Adjustment of the tension of the brake may be made by raising or lowering the head of the screw **4**.

It is understood that, while the foregoing refers to a

particular embodiment of the invention as shown on the accompanying drawing with a considerable degree of particularity, the present disclosure is made only by way of example, and that numerous variations in details of construction and materials are possible without departing from the spirit and scope of the invention as hereinafter claimed.

What I claim is:

1. A brake for hinged closures comprising, in combination, a substantially rigid member; means for attaching said member to the frame of a hinged closure; a plurality of irregularities in a surface of the said member, arranged in such manner as to approximately describe the arcuate path of the hinged edge of said closure when the member is mounted on the frame; a second member consisting of a screw to be mounted in the edge of the said closure adjacent to the hinged edge thereof and in such manner that the driving end of the screw engages the irregularities of the first-mentioned member in slidable contact, thus materially increasing the resistance of the closure to any material change in the angular position thereof with respect to its frame.

2. A brake for hinged closures comprising, in combination, a substantially rigid member with an arcuate portion designed in such manner as to approximately describe the path of the hinged edge of the closure during normal use, means for attaching the said member to the frame of the said closure; a plurality of irregularities in a surface of the arcuate portion of the said member; a second member consisting of a screw to be mounted in the edge of the closure adjacent to the hinged edge thereof and in such manner that the driving end of the screw slidably engages the irregularities of the first-mentioned member in the event of any material change in the angular position of the closure with respect to the frame thereof and thus materially increasing the resistance of the closure to such change in its position.

References Cited in the file of this patent

UNITED STATES PATENTS

96,924	Johnson	Nov. 16, 1869
328,192	Coultaus	Oct. 13, 1885
902,730	Hill	Nov. 3, 1908
1,701,202	Dudley	Feb. 5, 1929
1,729,840	Neptune	Oct. 1, 1929
1,979,826	Fernandez	Nov. 6, 1934