

J. GAUTHIER.  
GUIDE BRACKET FOR SLIDING DOORS.  
APPLICATION FILED JUNE 13, 1910.

975,761.

Patented Nov. 15, 1910.

Fig. 1

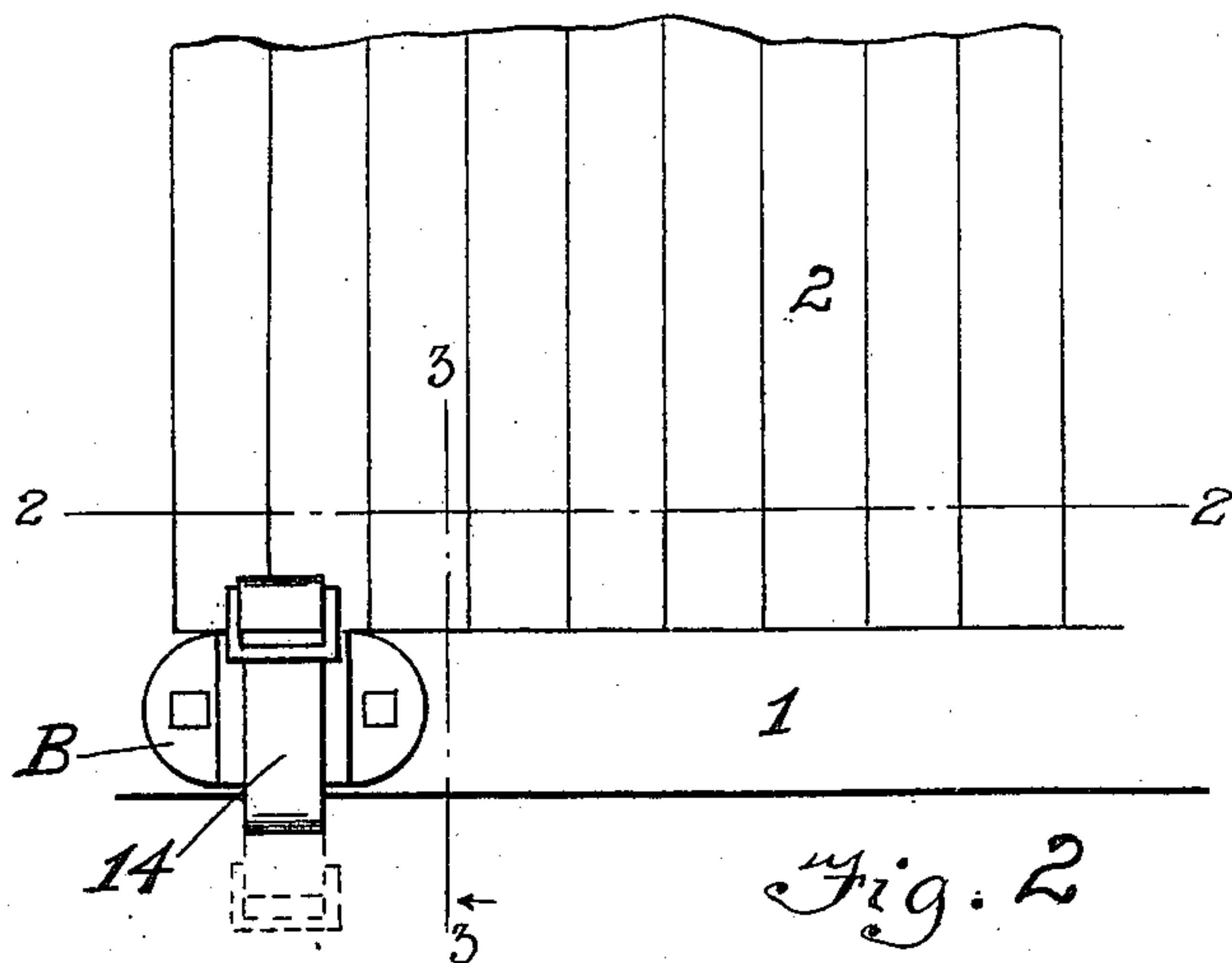


Fig. 2

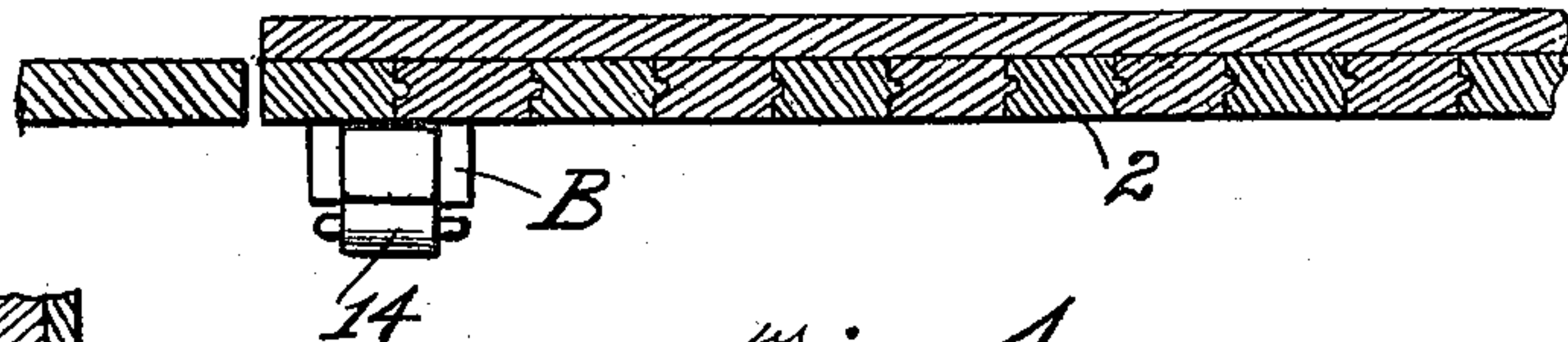


Fig. 3

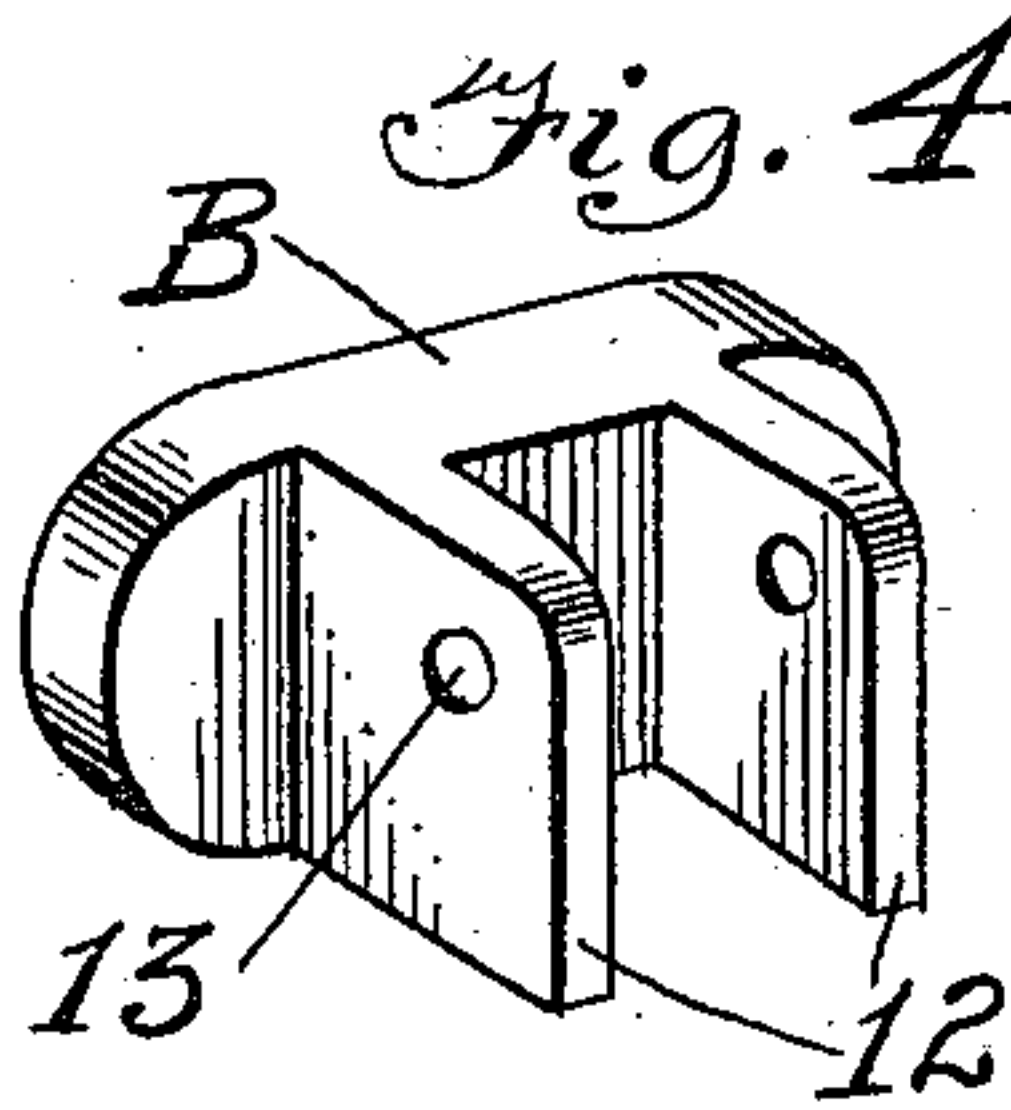
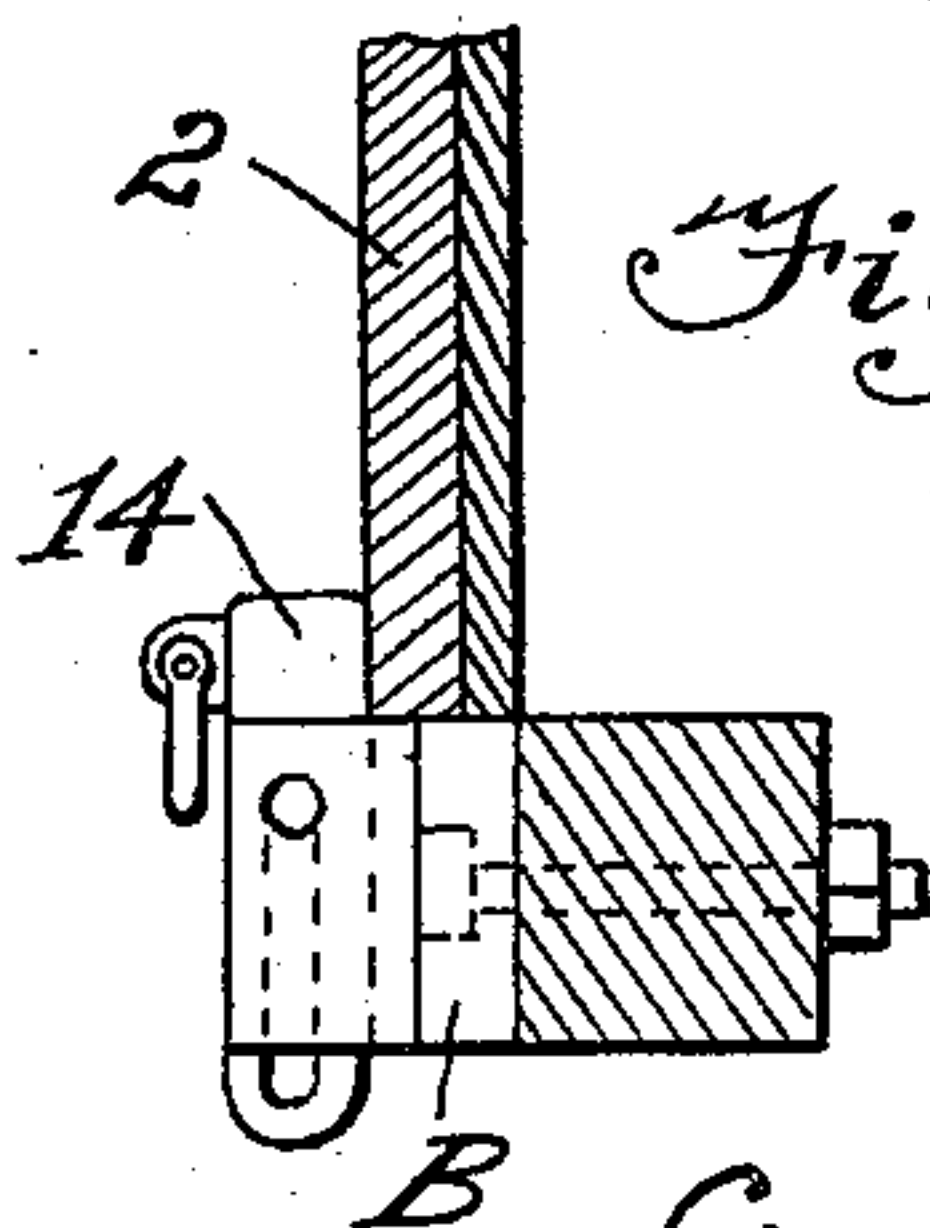


Fig. 6

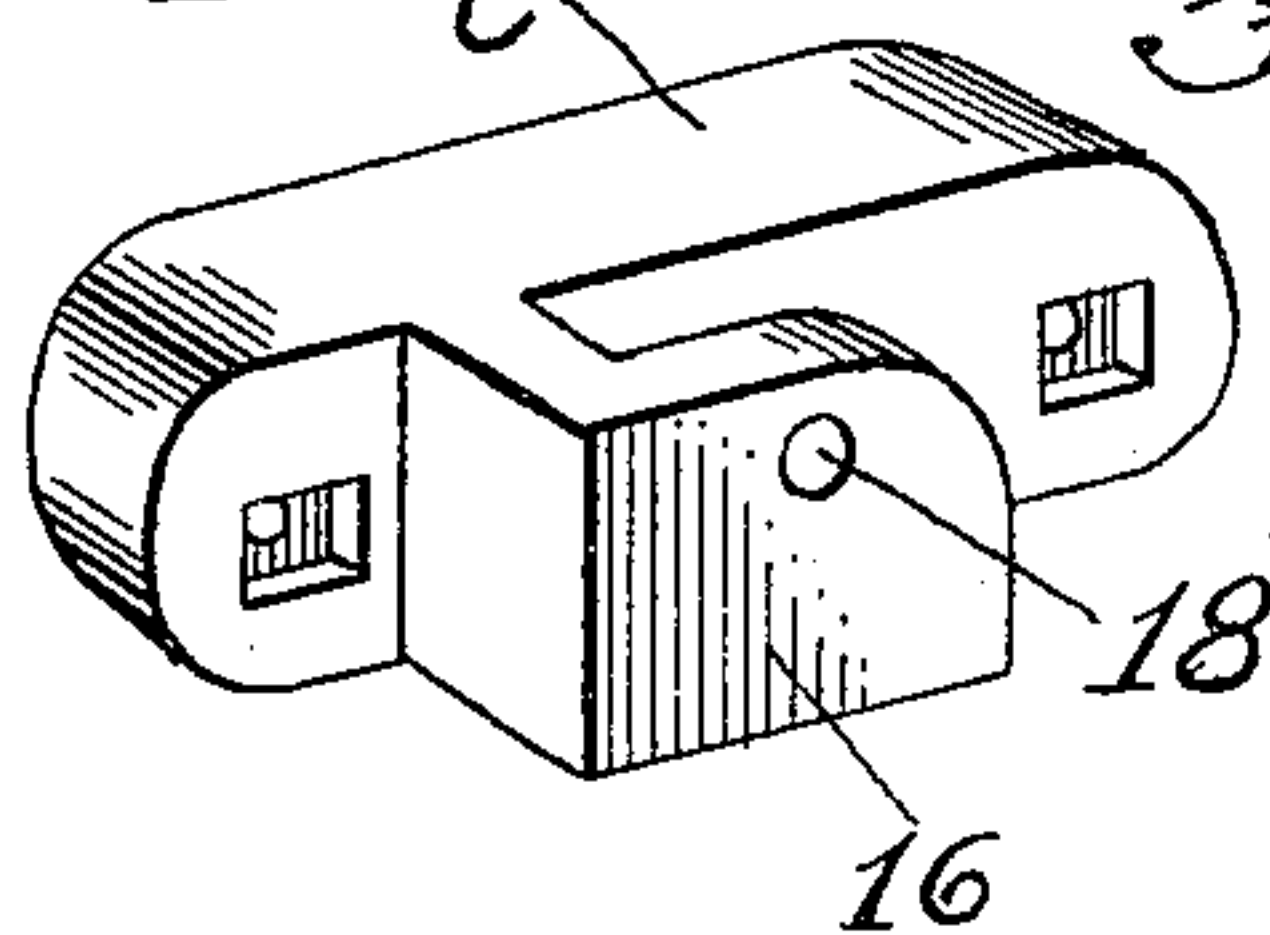
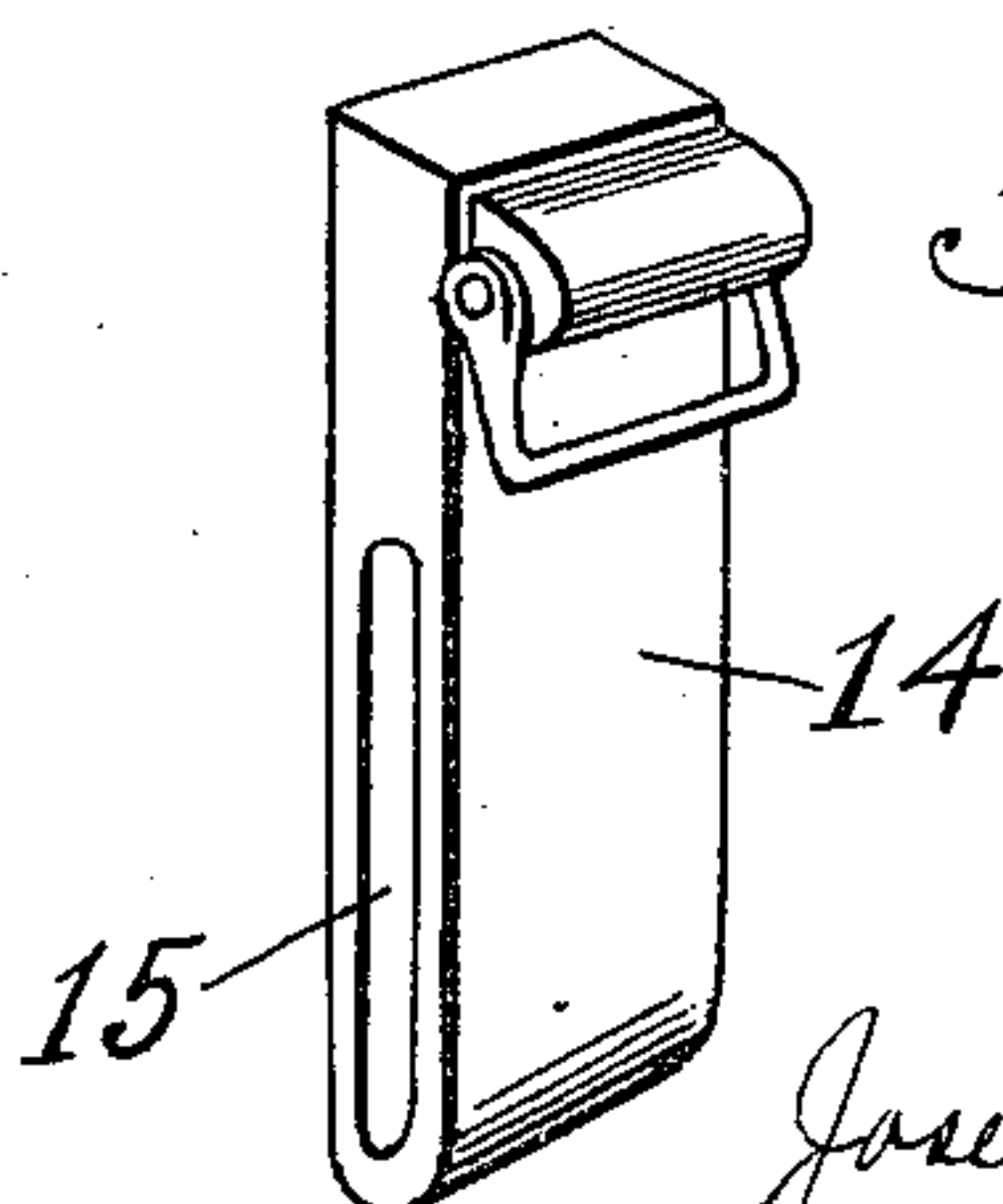


Fig. 5



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# UNITED STATES PATENT OFFICE.

JOSEPH GAUTHIER, OF GORHAM, NEW HAMPSHIRE.

GUIDE-BRACKET FOR SLIDING DOORS.

975,761.

Specification of Letters Patent.

Patented Nov. 15, 1910.

Original application filed January 22, 1910, Serial No. 539,563. Divided and this application filed June 13, 1910. Serial No. 566,577.

*To all whom it may concern:*

Be it known that I, JOSEPH GAUTHIER, a citizen of the United States of America, and resident of Gorham, in the county of Coos and State of New Hampshire, have invented certain new and useful Improvements in Guide-Brackets for Sliding Doors, of which the following is a specification.

This invention relates to car doors and more particularly to means for preventing the same from being swung outwardly when in closed position, said means consisting of wedge plates suitably held in brackets upon the frame of the car, the subject matter of this invention being divided out of my application filed Jan. 22, 1910, Serial No. 539,563. As such doors are subjected to rough uses and inclement weather, they are apt to swell to such a degree that they cannot be opened without breaking them in and supplying a new door in their place.

It is the object of my invention to overcome this objection and to provide a simple device which, although effective in holding the door in closed position, may be adjusted readily so as to permit the door to be opened.

With the foregoing and other objects in view, the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings, forming a part of this specification, wherein like characters denote corresponding parts in the several views, in which—

Figure 1 illustrates a side elevation of a portion of the car door showing my invention applied to the same; Fig. 2 illustrates a sectional view upon the line 2—2 of Fig. 1, showing the fastening means in plan; Fig. 3 illustrates a detail sectional view taken on the line 3—3 of Fig. 1; Fig. 4 illustrates a perspective view of the block and bracket shown applied to the door in Fig. 3; Fig. 5 illustrates a perspective view of a wedge plate adapted to be used in conjunction with the block shown in Fig. 4; and Fig. 6 illustrates a perspective view of a block and bracket showing a modification which may be substituted for the form disclosed by Fig. 4.

In carrying my invention into practice, it is necessary to employ a block which is shown in Fig. 1 at B, which is bolted or otherwise secured to the sill 1 of the door or framework of the car, the door being designated by the reference character 2. The block B is provided with two outwardly extending parallel ears 12, said ears having registering apertures 13 therein through which is received a pivot pin on which is mounted a wedge plate 14. The wedge plate 14 has a vertical slot 15 at right angles to the body of said plate in which said pin or bolt is operative. An inspection of Fig. 3, will disclose the mode of operation of the wedge plate 14. When it is drawn to the limit of its upward movement, it may be swung outwardly and directed to the position shown in dotted lines in Fig. 1, thus releasing the door and permitting it to be swung outwardly. In place of this form, the modification disclosed by Fig. 6 may be employed, said figure showing a block having a bracket member 16 formed thereon, which bracket member extends parallel to the main portion of the block and is provided with an aperture 18 extending there- through, in which a pivot pin is received. In this form of block, a wedge plate similar to the wedge plate 14 may be used except that the slot is at a right angle to the slot in wedge plate 14. It will be noted, however, that upon raising the wedge plate to its highest position, it may be swung laterally instead of outwardly, thereby releasing the door.

From the foregoing it will be seen that I have provided simple and effective means which may be easily applied to any car now in use, which will prevent the door from swinging outwardly when in closed position, and although it may become swelled and therefore difficult to open, it may be easily released.

I claim—

The combination with a car and a door designed to be movably mounted thereon, of a guide bracket comprising a block secured to the car body below the door and having outwardly projecting apertured ears, a wedge plate formed with an elongated slot slidably mounted between said ears and a retaining pin adapted to be passed through

said apertured ears and said slotted plate whereby the door is prevented from outward displacement in the normal position of the wedge plate and permitted to be  
5 moved outwardly when said plate is moved upwardly and outwardly.

In testimony whereof, I have hereunto af-

fixed my signature in the presence of two witnesses.

JOSEPH <sup>his</sup>GAUTHIER.  
<sub>mark</sub>

Witnesses:

ALFRED R. EVANS,  
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