

T. A. SMITH.

DOOR STOP.

APPLICATION FILED SEPT. 22, 1908.

950,707.

Patented Mar. 1, 1910.

Fig. 1.

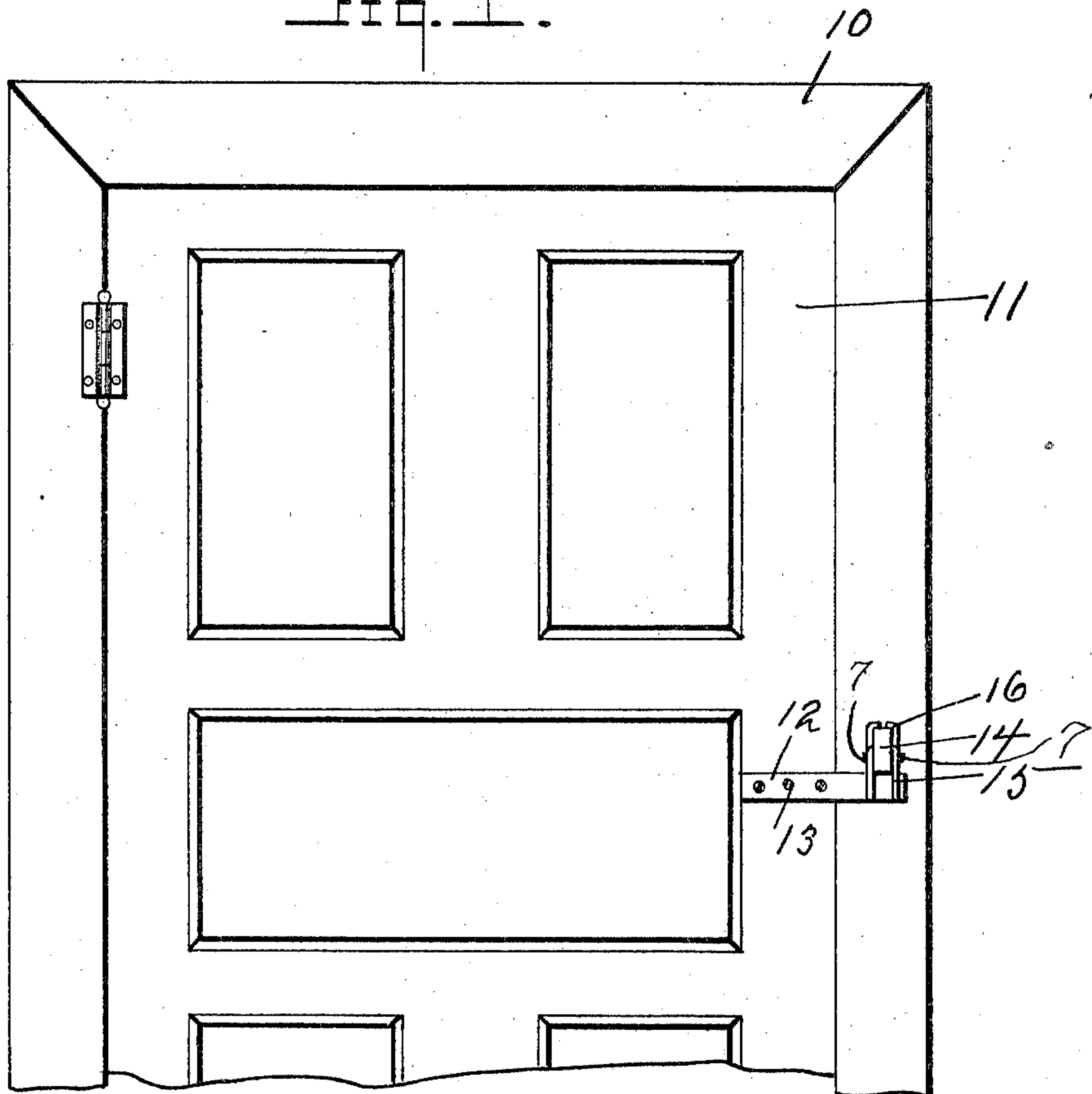
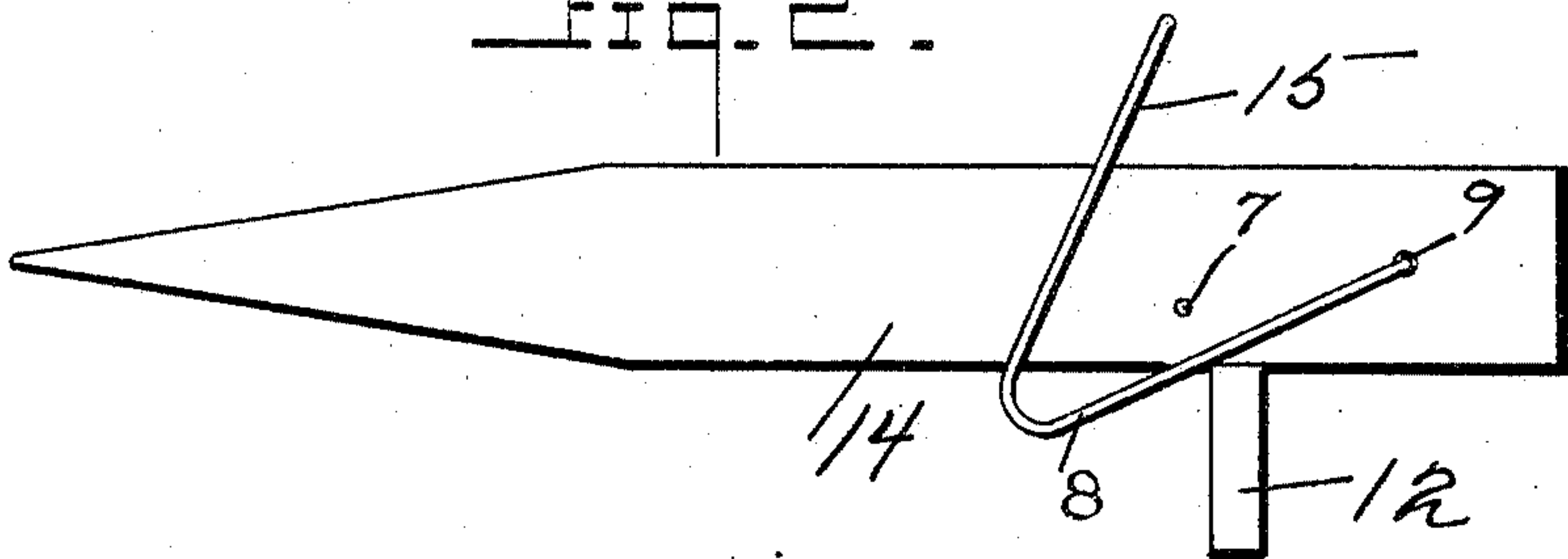


Fig. 2.



Inventor

Thomas A. Smith

Witnesses

G. C. Johansen

E. L. Chandler

By Woodward Chandler

Attorney

# UNITED STATES PATENT OFFICE.

THOMAS AARON SMITH, OF TILINE, KENTUCKY.

## DOOR-STOP.

950,707.

Specification of Letters Patent.

Patented Mar. 1, 1910.

Application filed September 22, 1908. Serial No. 454,189.

*To all whom it may concern:*

Be it known that I, THOMAS A. SMITH, a citizen of the United States, residing at Tiline, in the county of Livingston and State of Kentucky, have invented certain new and useful Improvements in Door-Stops, of which the following is a specification.

This invention relates to a door stop by means of which a door can be held in a partly open position.

An object of this invention is to produce a door stop which will actuate automatically by the force of gravity and to produce a stop which can be readily released when so desired.

The invention further designs a latch of this structure which is extremely simple of construction and one which will positively operate.

Other objects and advantages will be apparent from the following description, and it will be understood that changes in the specific structure shown and described may be made within the scope of the claim without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a front elevation of a door having the stop applied thereto, Fig. 2 is a detailed and detached view of the locking member.

This invention relates to a door stop, arranged to limit the opening movement of a door, so that the door can be held in a partly open condition.

It is often desirable to partly open a door so that a draft will sweep through the room, and in my invention I provide a simply constructed device for the purpose of so partly holding open a door as to provide a draft space.

Referring to the drawings, 10 designates a door frame in which is hinged a door 11. The lock stile of the door is provided upon its inner face with a latch bar 12, which is secured by means of suitable bolts as shown at 13 in Fig. 1. The latch bar extends a considerable distance beyond the edge of the door. The door frame 10 is provided with a wedge ended hasp bar 14 which is

held within the inner face of the frame 10 immediately above the extremity of the latch bar 12. The hasp bar 14 is apertured at its forward extremity, as shown at 9, and held within this aperture is the bight portion of a U-shaped latch or hasp member comprising a metal bar which is intermediately provided with a supporting section from which extend the two parallel lifting arms, 8, and obliquely continued from these arms 8, are the two stop arms 15, these arms also being held in parallel spaced relation. The arms 8 and 15 are arranged to work adjacent to the hasp bar 14. The ends of the arms 15 are directed toward one another in the stop sections 16 as shown in Fig. 1.

Held within a suitable opening of the bar 14 near the aperture 9, is the stop pin 7 extending through the hasp bar 14, and against which the obliquely held arms 15 normally rest. In use, the door stop hangs downwardly with the stop ends 16 engaged upon the upper edge of the bar 14. The latch is so formed as to present the vertically held arms 15 toward the outer face of the hasp bar upon one side and upon the other toward the stop pin 7. When it is desired to open the door 11 it is necessary to raise the latch and allow the bar 12 to pass below the same.

When the stop is not to be used, the hasp is carried upward, so that the lifting arms 8 will spring over the pin ends 7, in which condition the bar 12 will readily pass below the hasp bar 14.

The device is simple and inexpensive in construction and both durable and efficient in operation.

Having thus described my said invention, what I claim as new and desire to secure by United States Letters Patent is:

The herein described door check, comprising a wedge ended hasp bar held within a door frame, having an aperture near the forward end and a pin opening near said aperture, of a hasp in the form of a bar having a straight intermediate section held within said aperture, two lifting arms being continued at right angles from said intermediate section and held in parallel relation, said lifting arms being continued obliquely in two parallel stop arms each ending in a laterally extending stop end ar-



ranged to rest upon the upper edge of said  
hasp bar, a pin within said opening and pro-  
jecting beyond the sides of the hasp bar, said  
stop arms normally resting against said pro-  
5 jecting pin ends, and a latch bar carried by a  
door and arranged to work below said hasp  
bar and against said hasp, said lifting arms  
being arranged to be sprung over said pin

ends and made to rest thereon at times, as  
and for the purpose set forth. 10

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

THOMAS AARON SMITH.

Witnesses:

T. M. RADCLIFFE,  
J. O. SPICER.