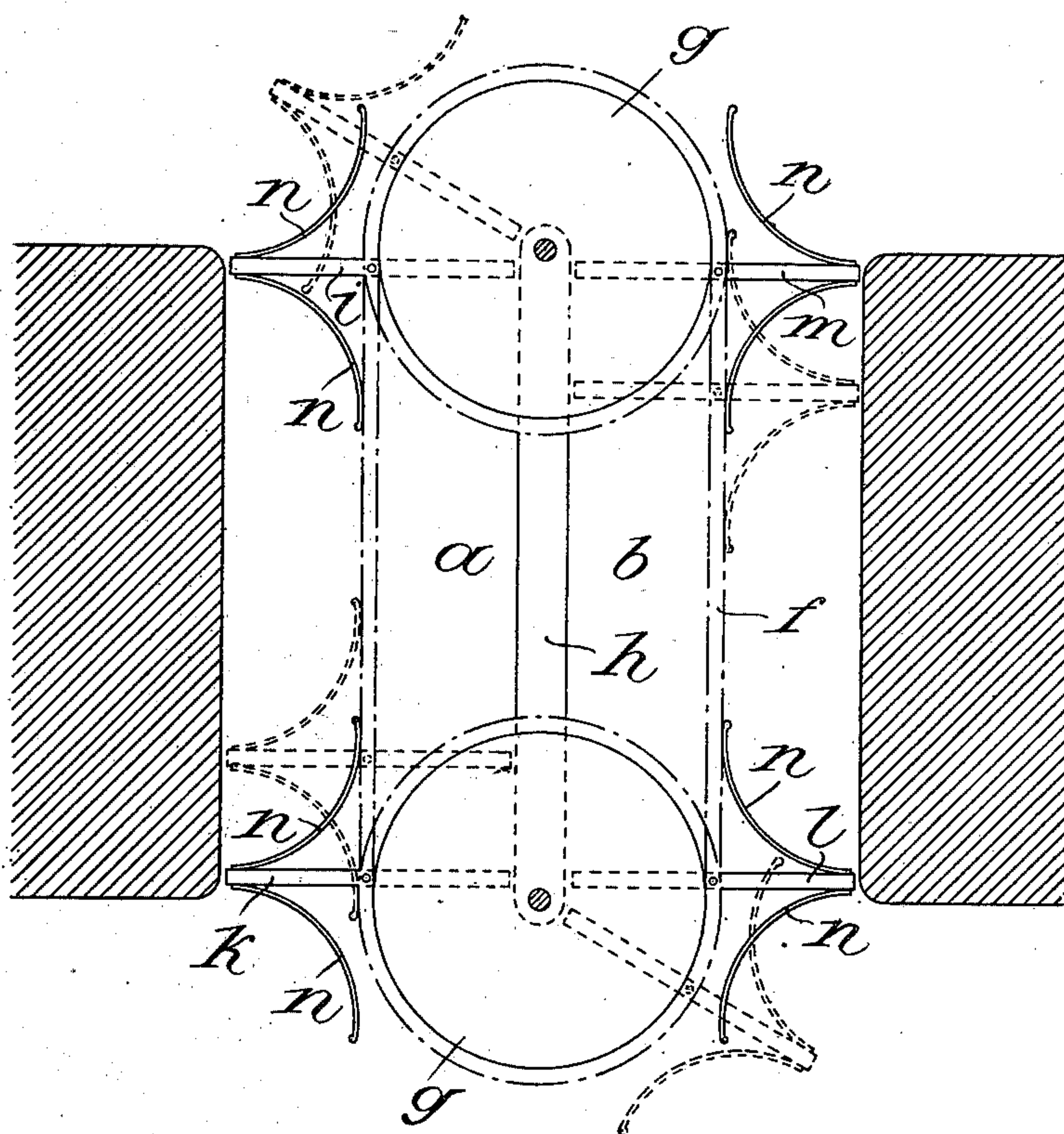


No. 732,982.

PATENTED JULY 7, 1903.

J. WENDLER.  
APPARATUS FOR CLOSING ENTRANCES.  
APPLICATION FILED APR. 6, 1903.

NO MODEL.



Witnesses,  
Edward T. Wray,  
Homer L. Kraft

Inventor,  
Julius Wendler,  
by Parker & Carter  
Attorneys.



# UNITED STATES PATENT OFFICE.

JULIUS WENDLER, OF BERLIN, GERMANY.

## APPARATUS FOR CLOSING ENTRANCES.

SPECIFICATION forming part of Letters Patent No. 732,982, dated July 7, 1903.

Application filed April 6, 1903. Serial No. 151,257. (No model.)

*To all whom it may concern:*

Be it known that I, JULIUS WENDLER, architect, a subject of the King of Prussia, Emperor of Germany, residing at Leipzigerstrasse 117 and 118, Berlin, Germany, have invented certain new and useful Improvements in Apparatus for Closing Entrances, of which the following is a specification.

My invention relates to apparatus for effectively closing the entrances to hotels and the like, so as to prevent drafts. The means commonly adopted for this purpose is the well-known revolving door with four wings. Experiments, however, have also been made with doors sliding in two adjacent parallel passages. With such arrangements it is necessary to provide for automatic adjustment of the doors, so that the proper distance between them is always maintained, for before one door leaves one of the passages a twin door must have closed the latter, so that the passage may always be closed. For this purpose the doors are connected by a chain and are so guided that they slide parallel to each other in the passages and at the end of the latter are transferred from one passage into the adjacent parallel passage. In such prior apparatus, the inner edges of the doors being connected to the chain, the wings of the doors on passing from one passage into the other move with a very great velocity. According to my invention this inconvenience is overcome, as will now be described with reference to the appended drawing, in which the figure shows a sectional plan view of the apparatus.

*f* is an endless band, such as a chain, guiding the doors *i k l m*, and this chain is passed around large chain pulleys or wheels *g g* of such diameter that the two parallel chain lengths in either passage *a b* lie approximately in the middle of such passage—that is, cen-

trally of the space between the outer wall and the partition-wall *h*. Through this arrangement the doors *i k l m* can be attached to the chain approximately at the center of their width.

For the purpose of maintaining the doors always in the correct position arms *n* may, for instance, be provided. While the doors are in the passages these arms bear against the chain *f*, whereas on the doors turning from one passage into the other the arms leave the chain. Instead of such arms, however, any other suitable devices may be employed. For example, guide-bars might be used bearing against the outside walls of the passages.

Means must of course also be provided for insuring that the doors always hang vertically. I have not illustrated any such device, as this forms no part of my invention and can be of any appropriate construction whatsoever.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

Apparatus for closing the entrances to hotels and the like, comprising a partition dividing the entrance into two parallel passages, pulleys located near each end of such partition, an endless band passing around said pulleys, and doors closing the passages and engaged substantially at the center of their width by said endless band, and traveling with it through the passages, all substantially as and for the purpose hereinbefore set forth.

Signed at Berlin, Germany, this 30th day of January, 1903.

JULIUS WENDLER.

Witnesses:

HENRY HASPER,  
WOLDEMAR HAUPT.