

No. 812,907.

PATENTED FEB. 20, 1906.

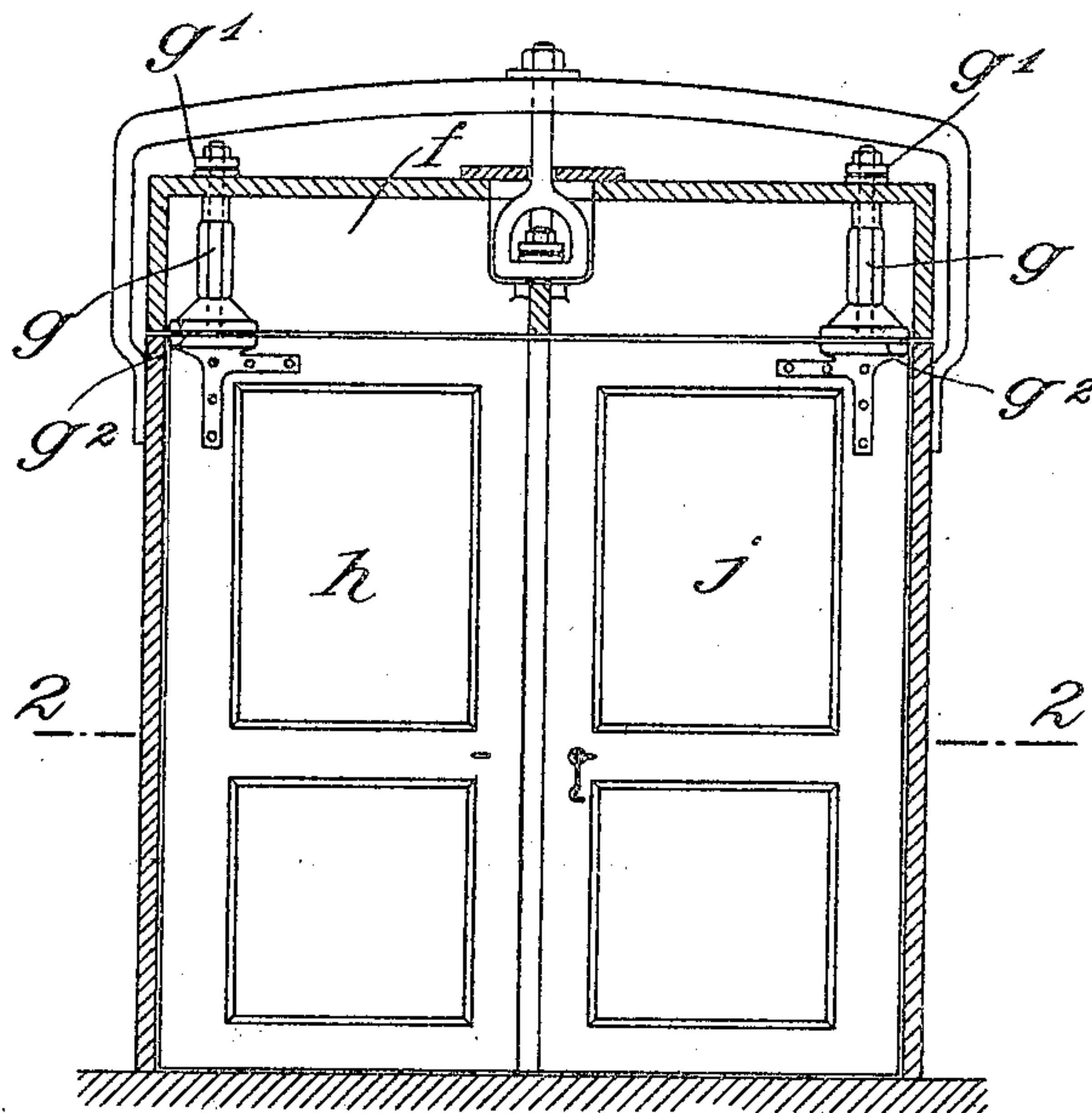
J. WENDLER.

DEVICE FOR HANGING REVOLVING DOOR WINGS.

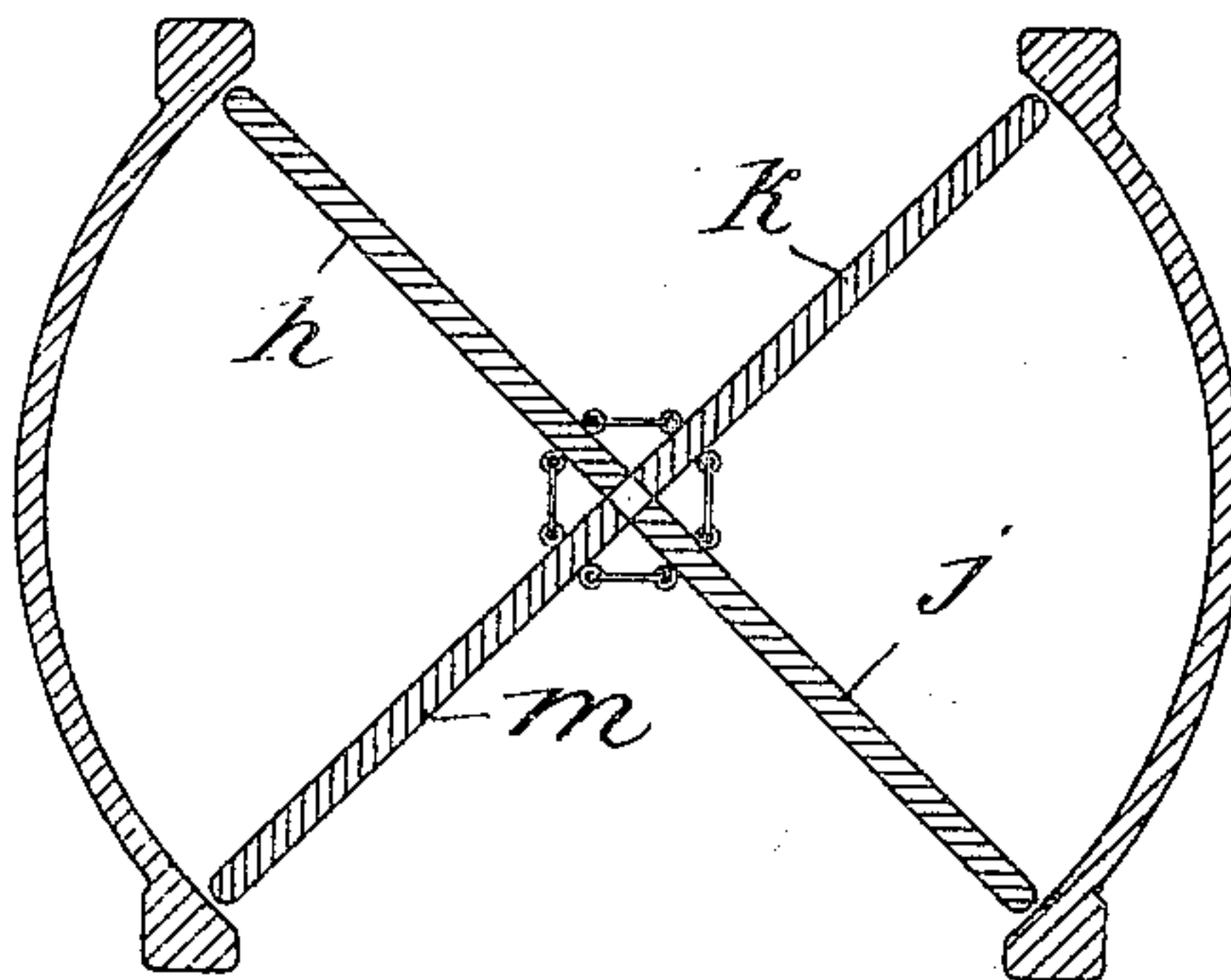
APPLICATION FILED FEB. 15, 1905.

2 SHEETS—SHEET 1.

*fig. 1.*



*fig. 2.*



WITNESSES:

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Miller*

INVENTOR.

*Julius Wendler  
Richard E.*

ATTORNEYS

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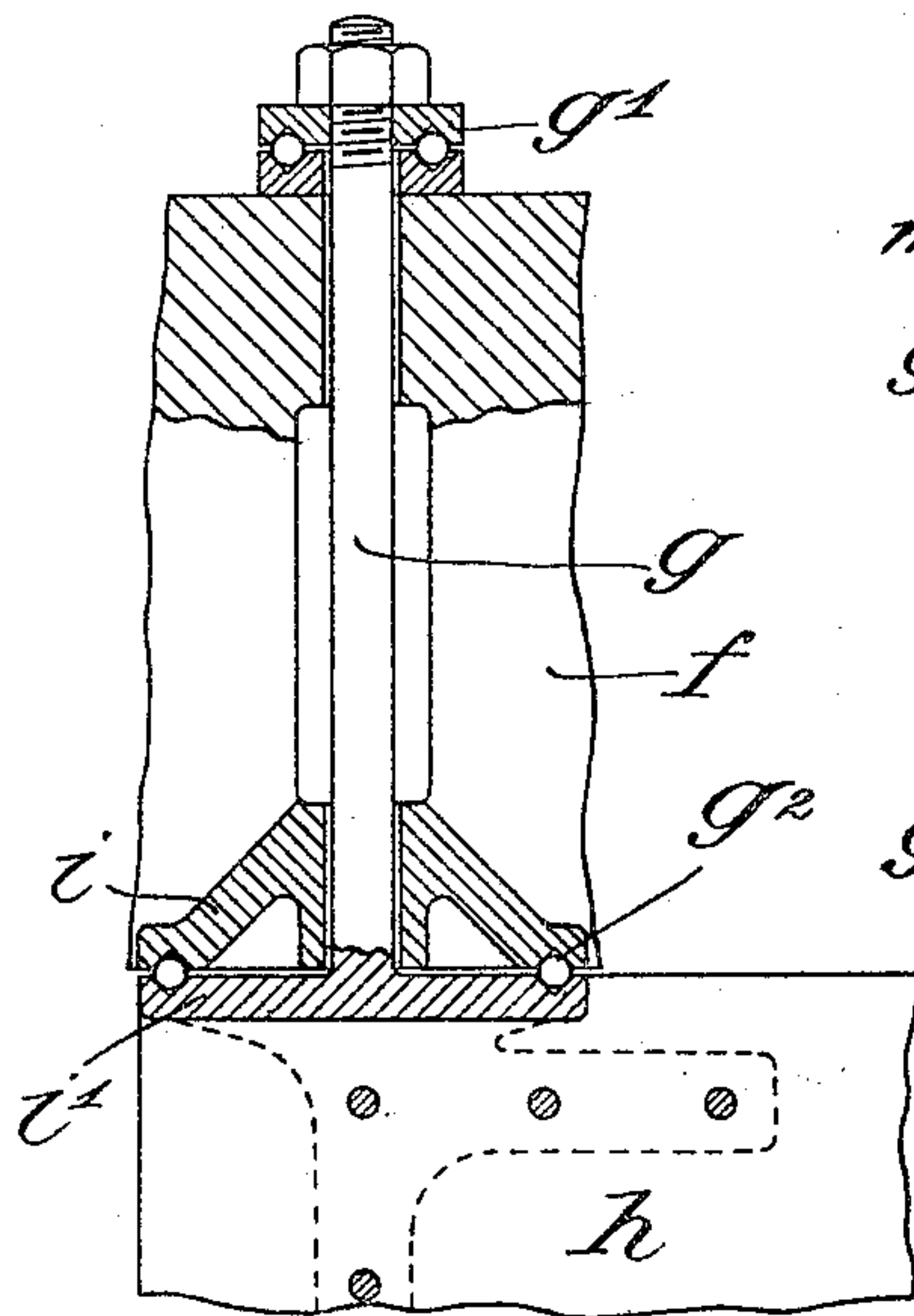
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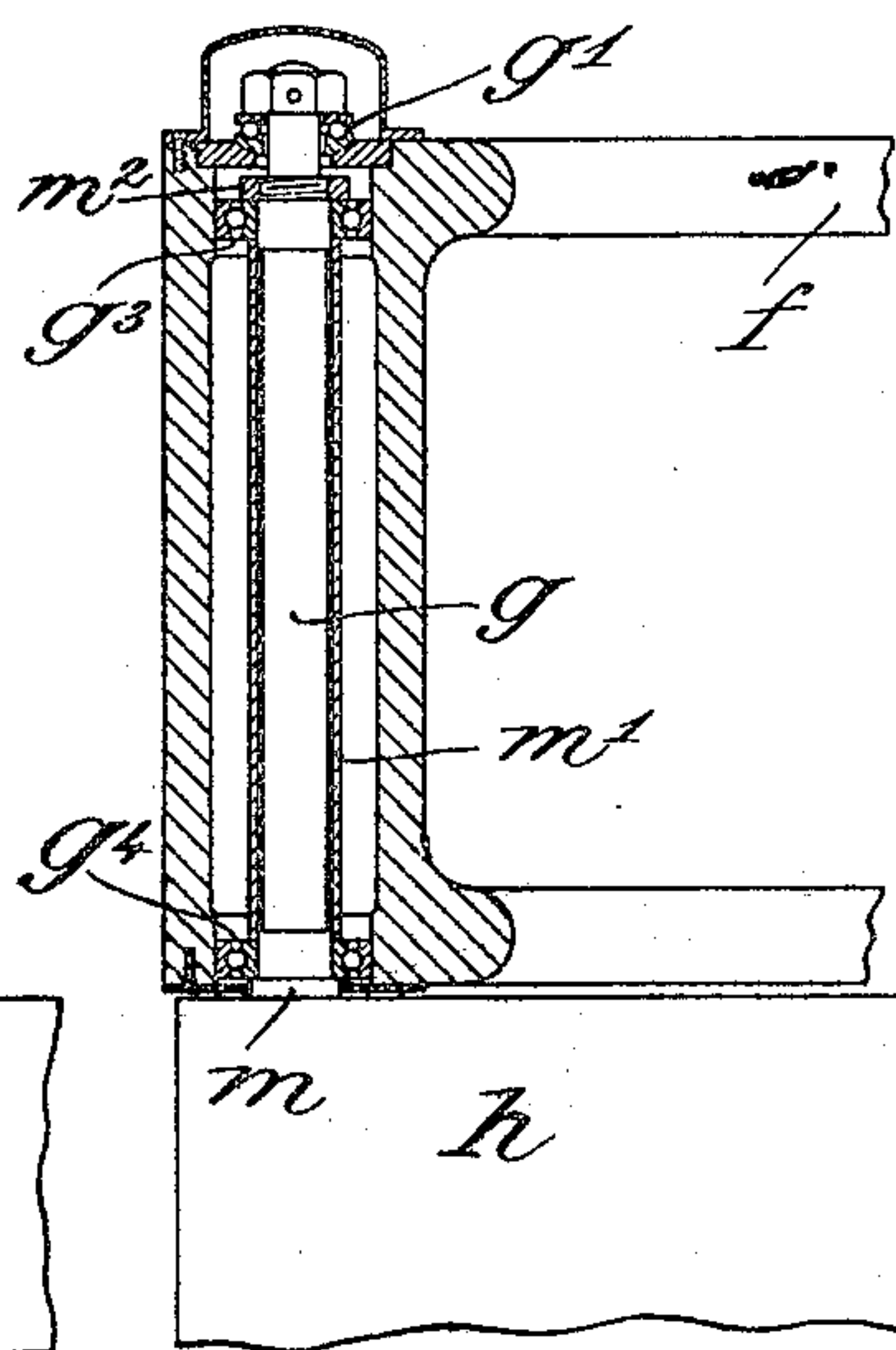
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2 SHEETS—SHEET 2.

*Fig. 3.*



*Fig. 4.*



*Witnesses*

*H. M. Kuehne*

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# UNITED STATES PATENT OFFICE.

JULIUS WENDLER, OF BERLIN, GERMANY.

## DEVICE FOR HANGING REVOLVING-DOOR WINGS.

No. 812,907.

Specification of Letters Patent.

Patented Feb. 20, 1906.

Application filed February 15, 1905. Serial No. 245,786.

*To all whom it may concern:*

Be it known that I, JULIUS WENDLER, architect, a subject of the King of Prussia, German Emperor, residing at No. 117/118 Leipzigerstrasse, Berlin, German Empire, have invented new and useful Improvements in Devices for Hanging Revolving - Door Wings, of which the following is a specification.

My invention relates to a device for hanging the wings of revolving doors—for instance, of such doors as have wings swinging on vertical pins which turn in the peripheral portion of a rotary roof covering the entrance or door chamber.

According to my invention ball-bearings are provided both for facilitating swinging of the wings and for keeping them in proper position. In this manner all other devices for supporting the wings can be dispensed with and the wings can readily turn on the axis without there being any possibility of their ever taking up a position at an angle to the direction of entrance, such as is unavoidable in doors which are hung by means of loops at the side in the ordinary manner.

Two forms of my invention are illustrated in the accompanying drawings, in which—

Figure 1 is an elevation and part section of a revolving door fitted with the new device. Fig. 2 is a transverse section on the line 2 2 of Fig. 1. Fig. 3 is a vertical sectional view, on a larger scale, showing the suspension of the door; and Fig. 4 is a similar view showing a modification of the suspension means.

The wings  $h$   $j$  of the revolving door are hung on the side adjacent to the wall of the entrance-chamber and swing on vertical pins turning in and carried by a rotary roof. The four wings which constitute the entire revolving door are assumed to be capable when assembled crosswise of being secured at their point of junction by means of a cruciform locking device of well-known construction, such as can be quickly disengaged when desired. Each wing  $h$   $j$  is hung by means of a

pin  $g$ , carried by the rotary roof  $f$ , and two ball-bearings  $g'$   $g^2$  are provided. The upper bearing  $g'$  is for the top of the pin  $g$ , which turns in the roof, while the lower and larger bearing  $g^2$  keeps the door in proper position. In the present construction the bottom bearing  $g^2$  consists of two bearing members  $i$   $i'$ , of which the upper one,  $i$ , is secured to the rotary roof, while the lower one,  $i'$ , constitutes a flange of the pin  $g$  and is affixed to the top of the wing.

In the modified construction shown in Fig. 4 the top bearing  $g'$  is for the top of the pin  $g$ , by means of which the wing is hung, while the two lower bearings  $g^3$   $g^4$ , which are provided one above the other and are held in place by means of the shoulder  $m$  of the pin  $g$ , the long sleeve  $m'$ , and the nut  $m^2$ , serve also to keep the wing in proper position.

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

1. A device for hanging revolving-door wings, comprising a vertical flanged pin turning in the roof of the door-chamber and holding the wing, to which it is secured, to the roof, a ball-bearing on which the top of the pin turns on the roof, and a second ball-bearing between the roof and the pin-flange, substantially as described.

2. A device for hanging revolving-door wings, comprising a vertical pin turning in the roof of the door-chamber and holding the wing, to which it is secured, to the roof, a ball-bearing on which the top of the pin turns on the roof, and two superposed ball-bearings for the pin, located in the roof, substantially as described.

In witness whereof I have hereunto signed my name, this 2d day of February, 1905, in the presence of two subscribing witnesses.

JULIUS WENDLER.

Witnesses:

HENRY HASPER,  
WOLDEMAR HAUPT.