

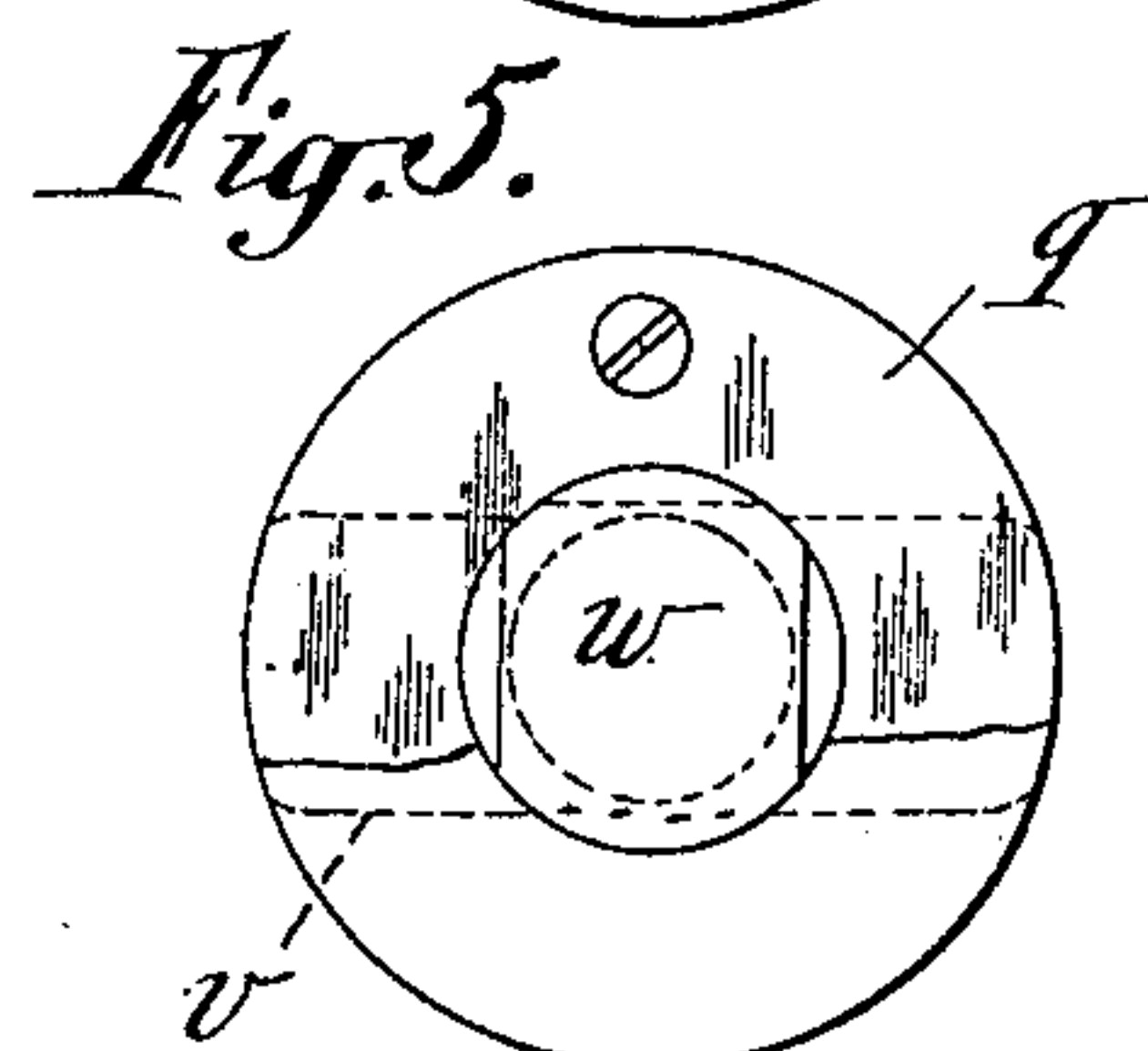
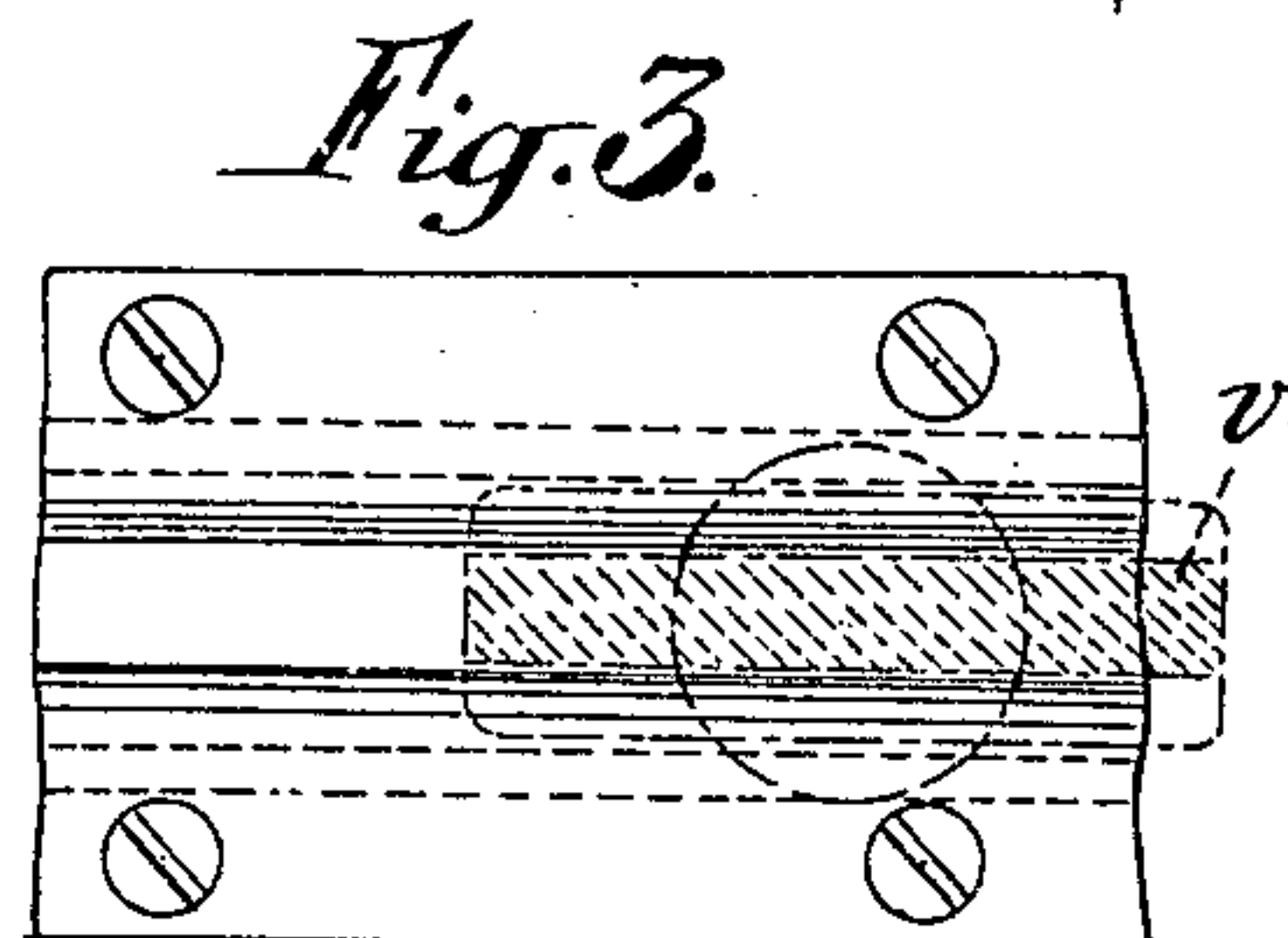
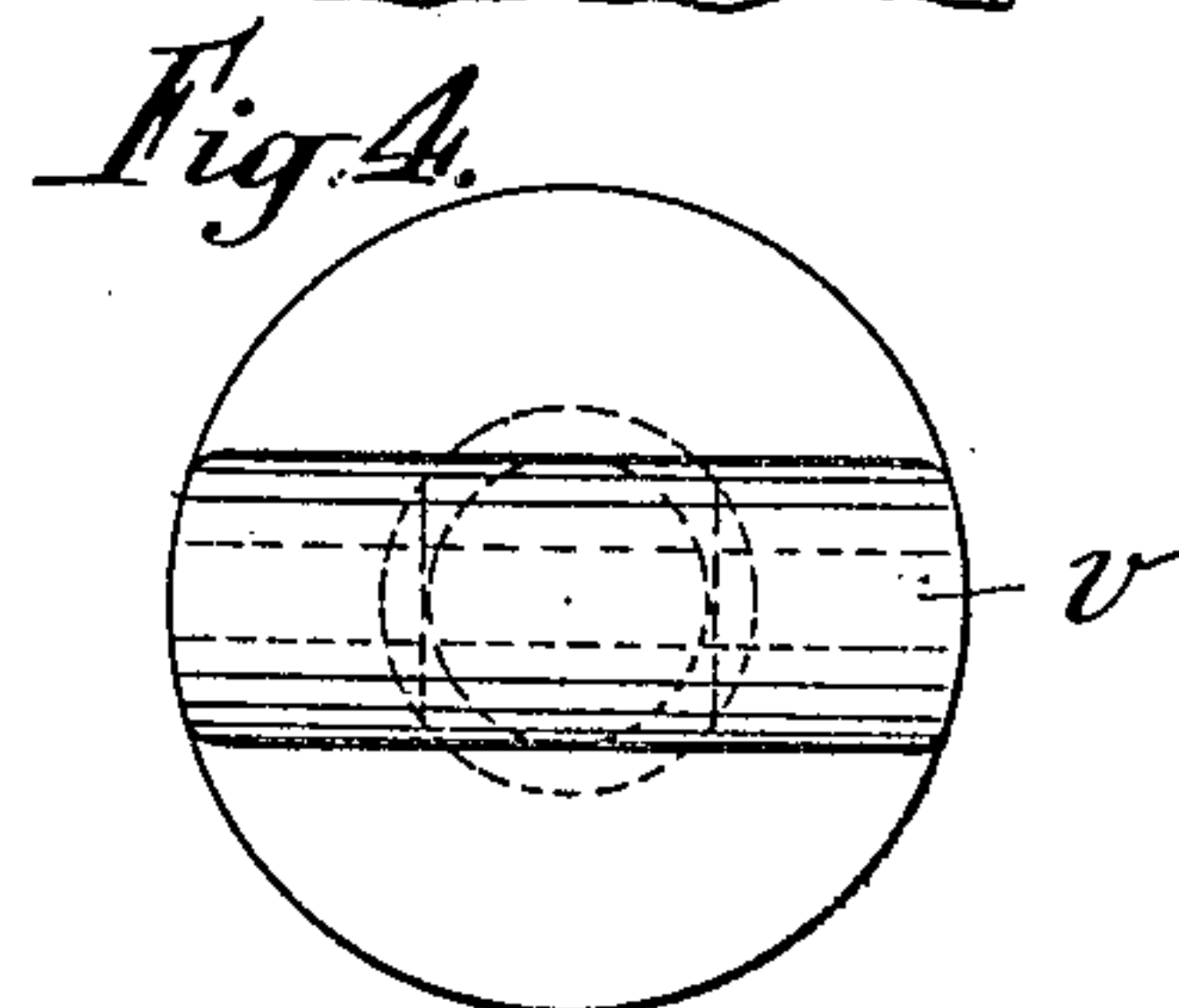
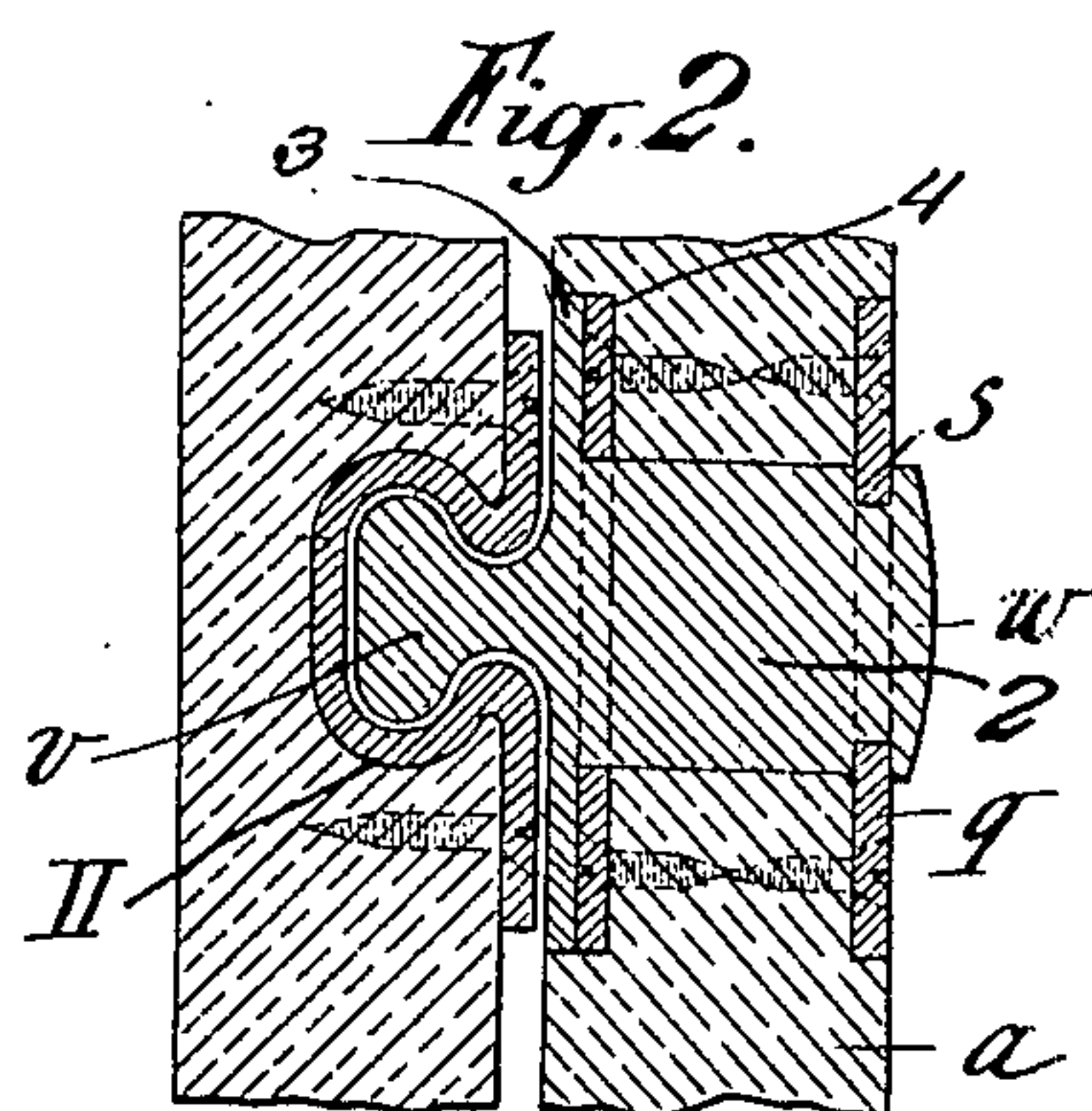
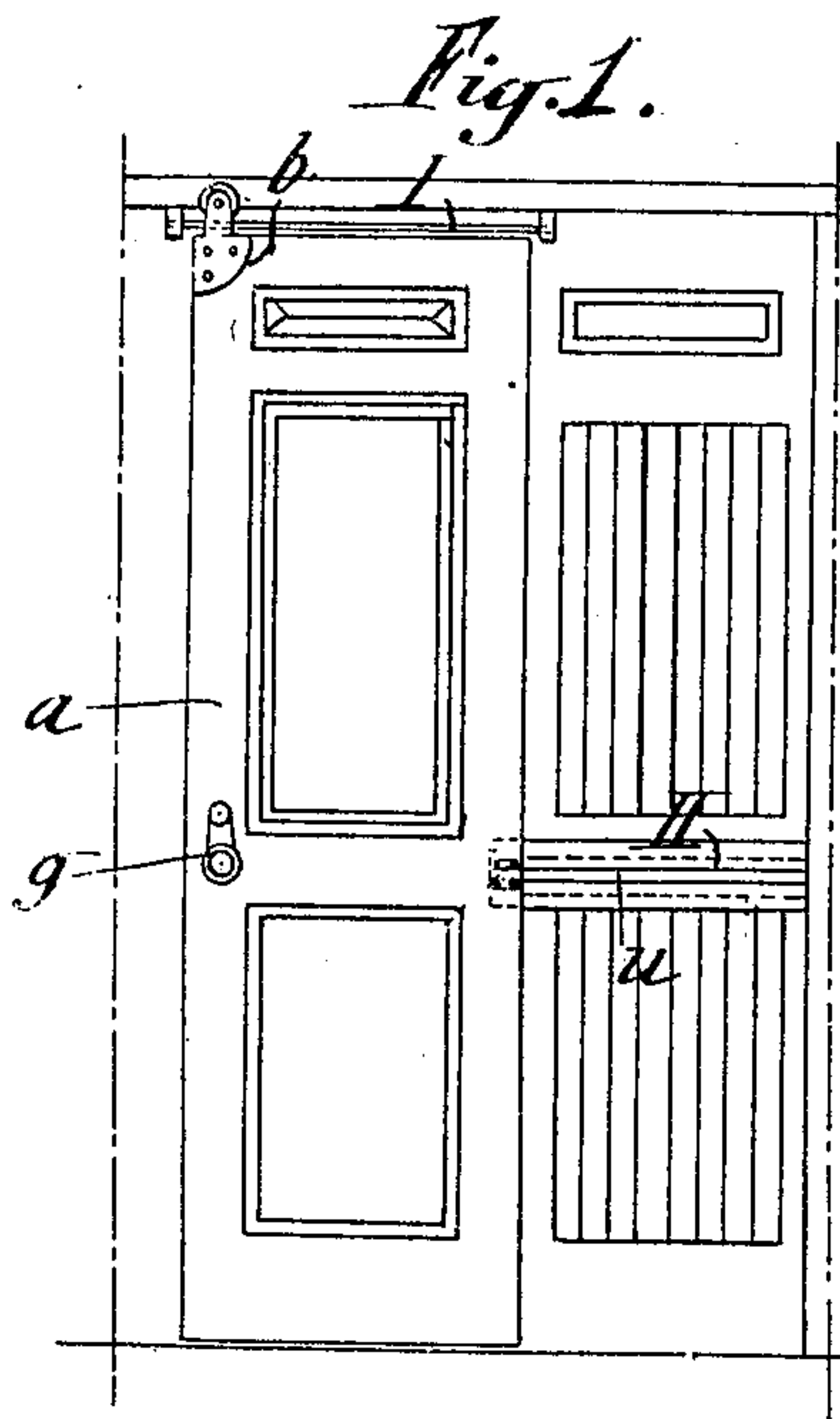
No. 878,395.

PATENTED FEB. 4, 1908.

P. F. HOLSTERS.

DOOR HANGER.

APPLICATION FILED MAR. 22, 1907.



Witnesses.
G. M. Spring.
W. S. Kitchen.

Inventor,
Paul Ferdinand Holsters,
By
Mason, Fenwick Lawrence,
Attorneys

UNITED STATES PATENT OFFICE.

PAUL FERDINAND HOLSTERS, OF BRUSSELS, BELGIUM.

DOOR-HANGER.

No. 878,395.

Specification of Letters Patent.

Patented Feb. 4, 1908.

Application filed March 22, 1907. Serial No. 363,975.

To all whom it may concern:

Be it known that I, PAUL FERDINAND HOLSTERS, a subject of the King of the Belgians, residing at 6 Rue de Théâtre, Brussels, Belgium, have invented new and useful Improvements in Door-Hangers, of which the following is a specification.

This invention relates to door hangers, and it consists in the provision of a hanger for sliding doors embodying a grooved member adapted to be secured to the framework of a building, and a device attached to the door and engaging the grooved member, said device consisting of a knob having a cylindrical portion provided with a flattened head, and a base portion forming a dovetailed joint with the grooved member.

The invention consists further in providing means for engaging the flattened portion of the head in order to secure the device permanently in position in the door.

In the accompanying drawings, Figure 1 is a view in side elevation of a door provided with my improved hanger. Fig. 2 is a view in cross section of a portion of the door and framework, showing the hanger applied to the former. Fig. 3 is an elevation of a portion of the grooved member, showing the manner in which the device on the door engages said member. Fig. 4 is a detail view of the groove-engaging device, showing the same from its inner side. Fig. 5 is also a detail view, showing the front of the groove-engaging device.

Referring to the drawings in detail, *a* represents a door which may be supported at the top by a hanger *b* having its bearing on a track *I*. In the drawing I have shown this upper hanger as being of the ordinary construction and secured to one of the upper corners of the door, while the hanger embodying my invention is secured to the door at a point between the upper and lower panels. This arrangement of the hangers is designed to prevent the door from being forced out of its proper position during the operation of opening or closing.

Secured to the framework of the building, and preferably embedded in said framework, is a horizontal grooved track *II*, having a

narrow entrance slot *u*, and this track is engaged by the inner projecting portion of the hanger, which may be mounted on the door about on a line with the handle *g*. It will be noted that the central hanger is adjacent to the inner edge of the door and that the upper hanger is near the opposite edge. This central hanger consists of a main cylindrical portion *2* passing through an aperture in the door and provided with a head *w*, the sides of which are flattened or cut away. The head is provided with an annular groove *s*, and the flattened portion of the head extends only to this groove. A plate *q* is secured to the side of the door, and is provided with an aperture, approximately circular in form, but having straight portions on opposite sides, forming inwardly projecting lugs, as shown in Fig. 5. These lugs engage the annular groove previously referred to, and when the parts are placed in proper relation to each other and the plate is turned through a quarter of a revolution and secured to the door, the device is in operative position.

Connected with the cylindrical portion *2* is an elongated base portion *v*, corresponding in cross section with the grooved member or track *II*, and engaging the same in such manner that a substantially dovetailed joint is formed. A flange *3* bears against a counter-sunk plate *4*, and is flush with the inner surface of the door.

From the foregoing description, the operation of the device will be readily understood.

What I claim as new and desire to secure by Letters Patent, is:

1. In a device of the character described, a grooved member secured to the framework of the building or other structure, a door, a knob on said door engaging said groove, the knob consisting of a cylindrical shank portion having a flattened head and a base portion forming a dovetail joint with the grooved member, and a locking device bearing against the flattened portion of the head.

2. In a device of the character described, a grooved member secured to the framework of a building or other structure, said grooved member having a narrowed entrance slot, a door, and a knob on said door engaging said

groove, the knob consisting of a cylindrical
shank portion having a flattened head and a
base portion forming a dovetailed joint with
the grooved member, and a device bearing
5 against the flattened portion of the head for
holding the knob in position.

In testimony whereof I have signed my

name to this specification in the presence of
two subscribing witnesses.

PAUL FERDINAND HOLSTERS.

Witnesses:

A. GRAETZ,
CH. DIERICKE.