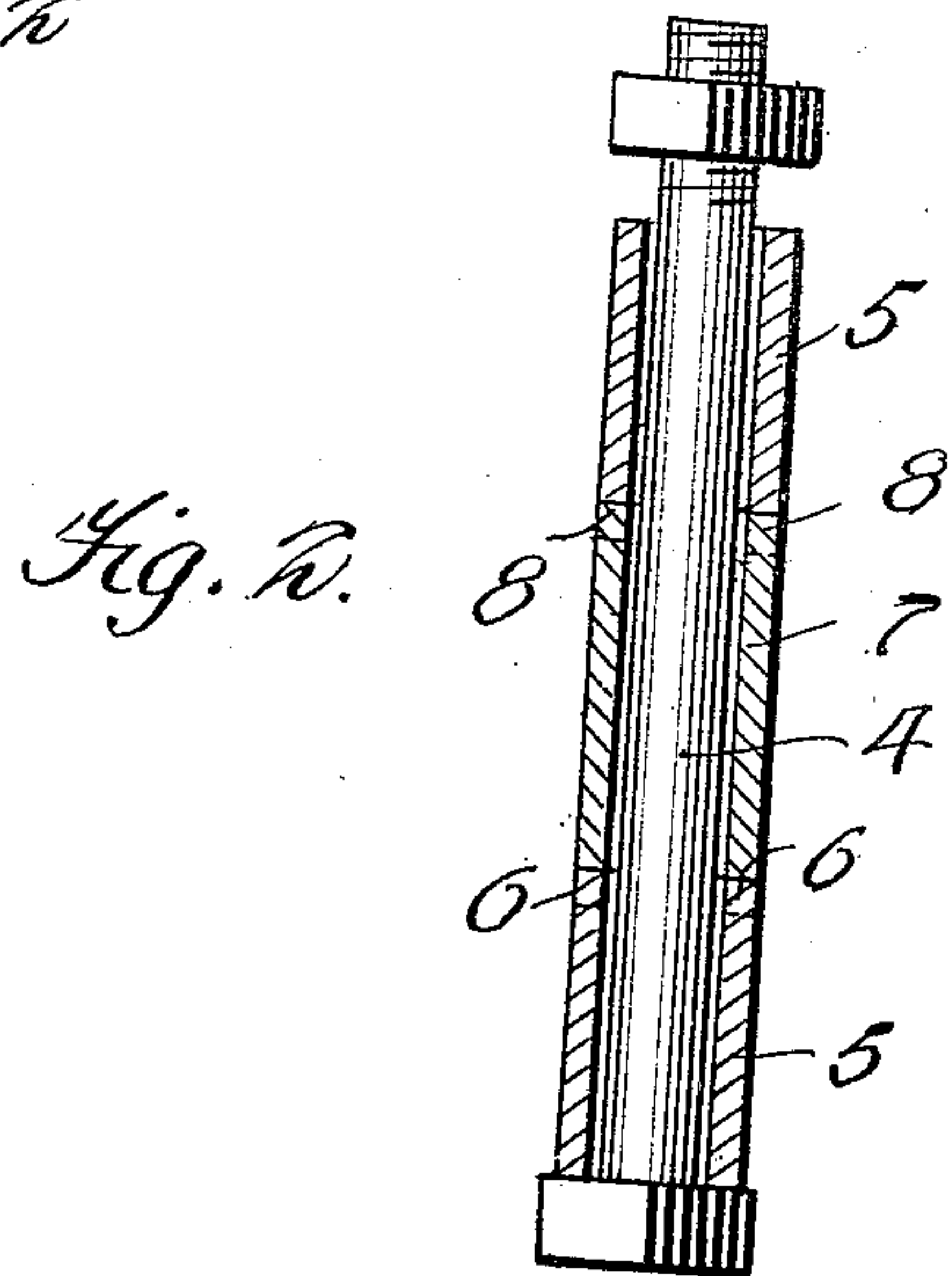
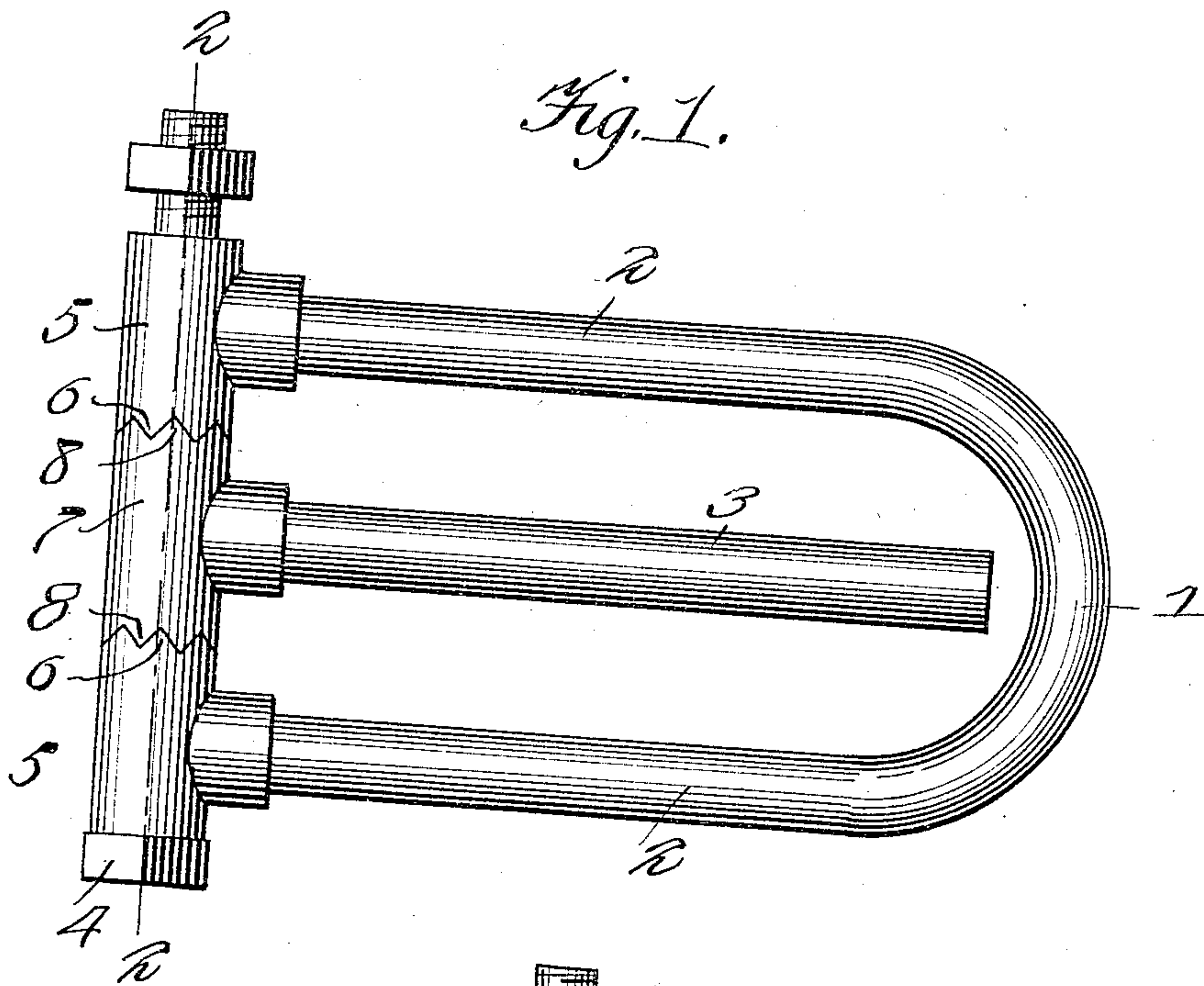


945,662.

M. WOODS.
LOCK HINGE.
APPLICATION FILED JUNE 29, 1909.

Patented Jan. 4, 1910.



Witnesses
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MARTIN WOODS, OF MEMPHIS, TENNESSEE.

LOCK-HINGE.

945,662.

Specification of Letters Patent.

Patented Jan. 4, 1910.

Application filed June 29, 1909. Serial No. 505,006.

To all whom it may concern:

Be it known that I, MARTIN WOODS, a citizen of the United States, residing at Memphis, in the county of Shelby and State of Tennessee, have invented new and useful Improvements in Lock-Hinges, of which the following is a specification.

This invention relates to an improvement in hinges, and the invention is primarily directed for use upon seats, gates and the like, and the principal object of the invention is to provide a hinge of a comparatively simple construction whereby a seat or the like may be swung to a determined point and effectively retained in said swung position.

With the above, and other objects in view which will appear as the description progresses, the invention resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the accompanying drawing there has been illustrated a simple and preferred embodiment of the invention and in which, Figure 1 is a perspective view of a hinge constructed in accordance with the invention. Fig. 2 is a vertical sectional view upon the line 2—2 of Fig. 1.

In the accompanying drawing the numeral 1 designates the hinge proper. This hinge comprises a pair of members 2 and 3, each having their extremities provided with hollow collar members or knuckles whereby the parts are connected through the medium of a suitable pintle 4. The hinge member 2 is constructed of some suitable resilient material and is of a substantially U-shaped formation. The knuckles 5 provided upon each of the arms of the U-shaped member 2 have their adjoining faces suitably spaced apart and provided with teeth or serrations 6. The intermediate hinge member 3 is adapted to be positioned directly central of the arms provided by the U-shaped hinge member 2 and has one of its extremities provided with a knuckle 7 which extends a suitable distance beyond each end of the member proper and is also provided with teeth or serrations 8, corresponding with the teeth or the serrations 6 upon the knuckles 5 of the member 2. The hinge members 2

and 3 may have their body portions of any desired cross sectional formation, and the knuckles provided for these members may be formed integrally therewith or provided in the shape of couplings as illustrated in the drawing.

When the hinge is attached to a seat or the like the intermediate knuckle of the hinge member 3 is engaged by the teeth of the knuckles 5 provided upon the resilient member 2, it being understood that the said knuckles 5 are adapted to exert pressure toward each other, and thus firmly engage the teeth of the said intermediate knuckle.

It is of course understood that one of the hinge members 2 is secured to a seat or door, while the opposite knuckle 3 is connected with the support for the seat or the post for the door, and it will be noted that as the seat or door is swung upon the pintle 4 the teeth 8 of the knuckle 7 will force the resilient knuckles 5 out of engagement and allow the hinge member 3 to be swung and to be retained at any desired angle in relation to the opposite hinge member 2.

From the above description, taken in connection with the accompanying drawing, it will be noted that I have provided an extremely simple and effective device for the purpose intended, and it is to be understood that minor details of construction, within the scope of the following claim, may be resorted to, when desired.

Having thus fully described the invention what is claimed as new is:

A hinge comprising a pair of members, each provided with knuckles whereby the members are pivotally connected together, one of said hinge members being constructed of resilient material and formed in a substantial U-shape and the knuckles upon the arms of this U-shaped member adapted to frictionally engage the knuckle of the second member.

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

MARTIN WOODS.

Witnesses:

ISRAEL H. PERES,
MARTIN J. GALLAGHER.