

No. 814,354.

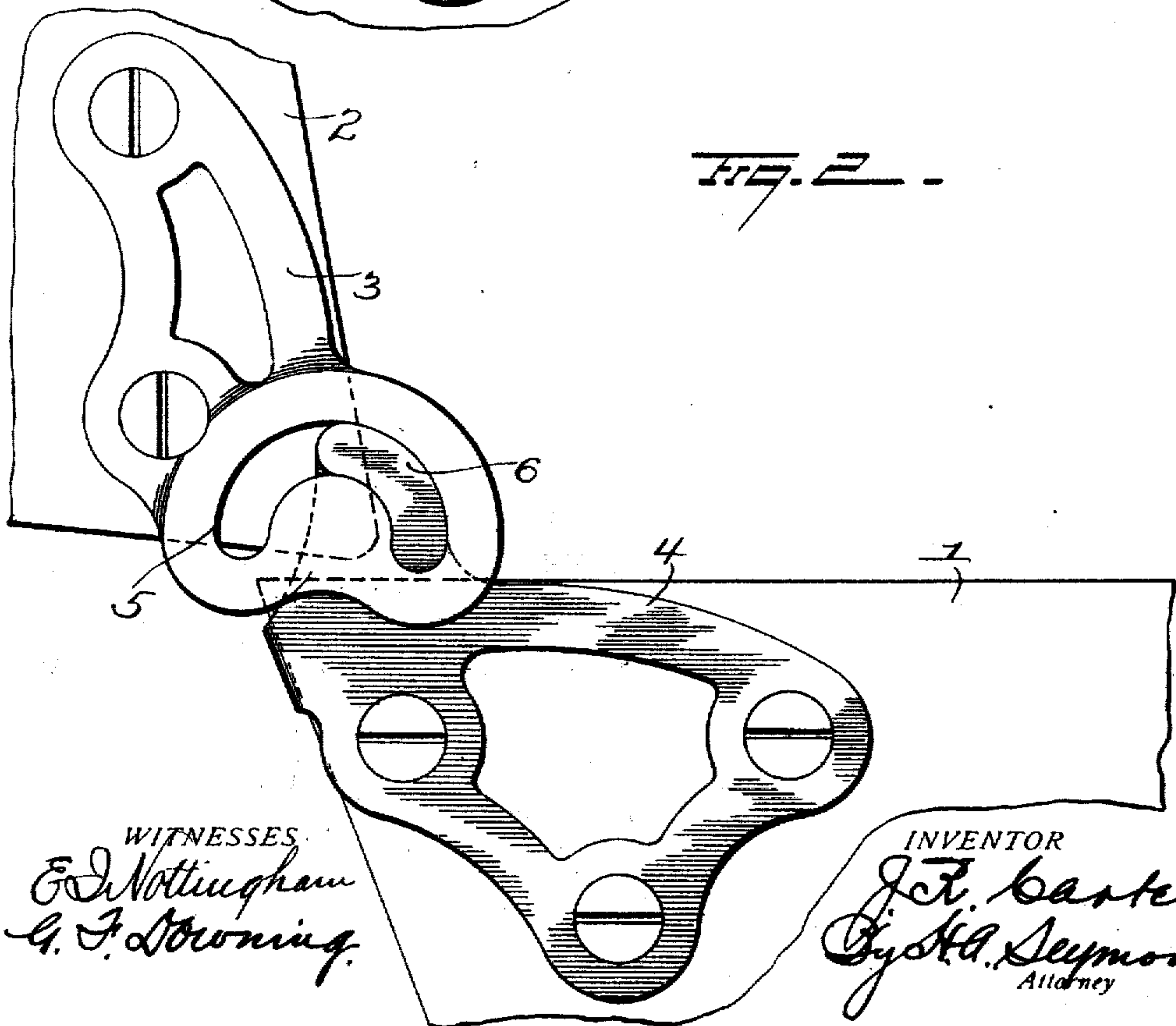
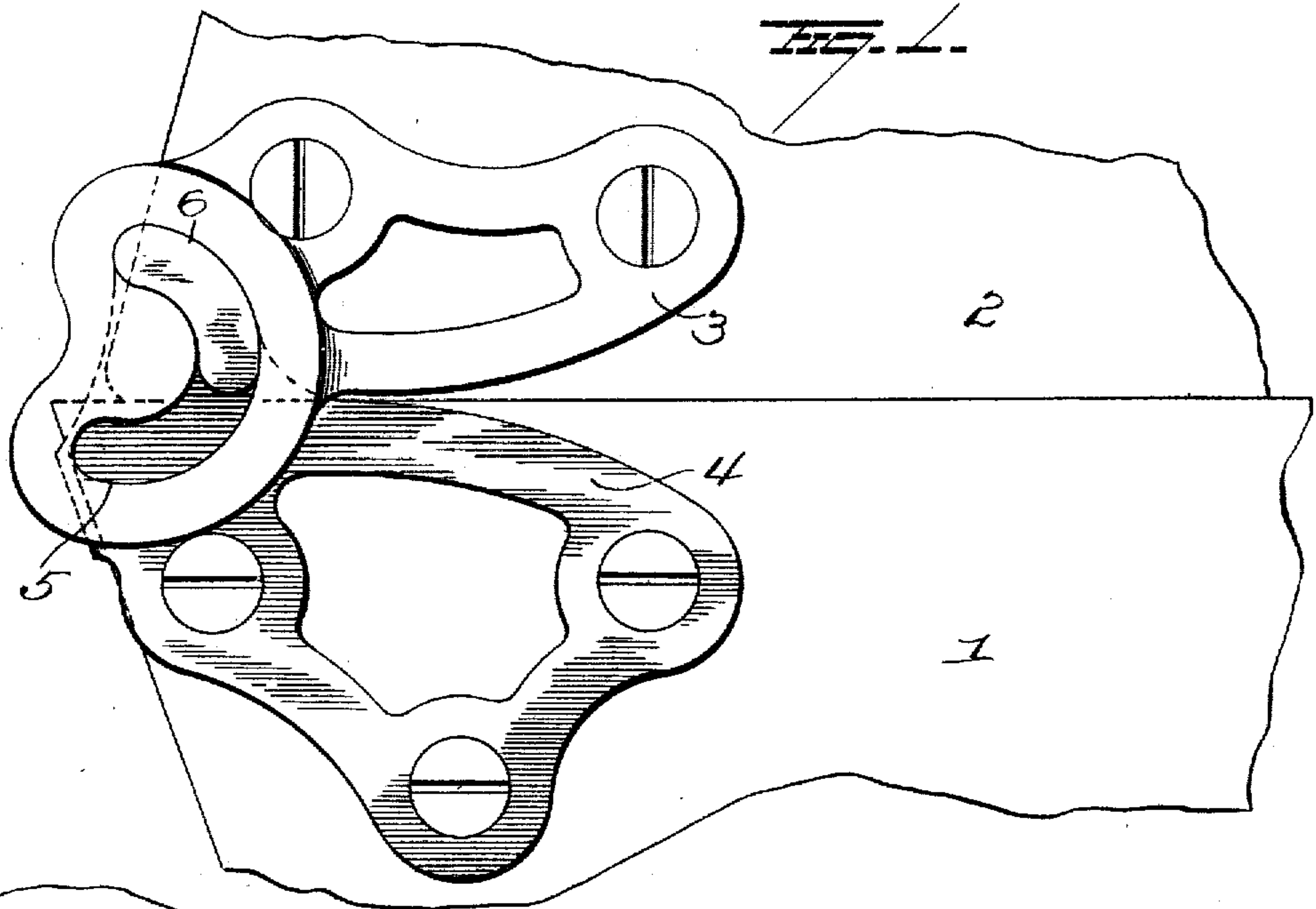
PATENTED MAR. 6, 1906.

J. R. CARTER.

HINGE.

APPLICATION FILED MAR. 24, 1905.

2 SHEETS—SHEET 1.



WITNESSES

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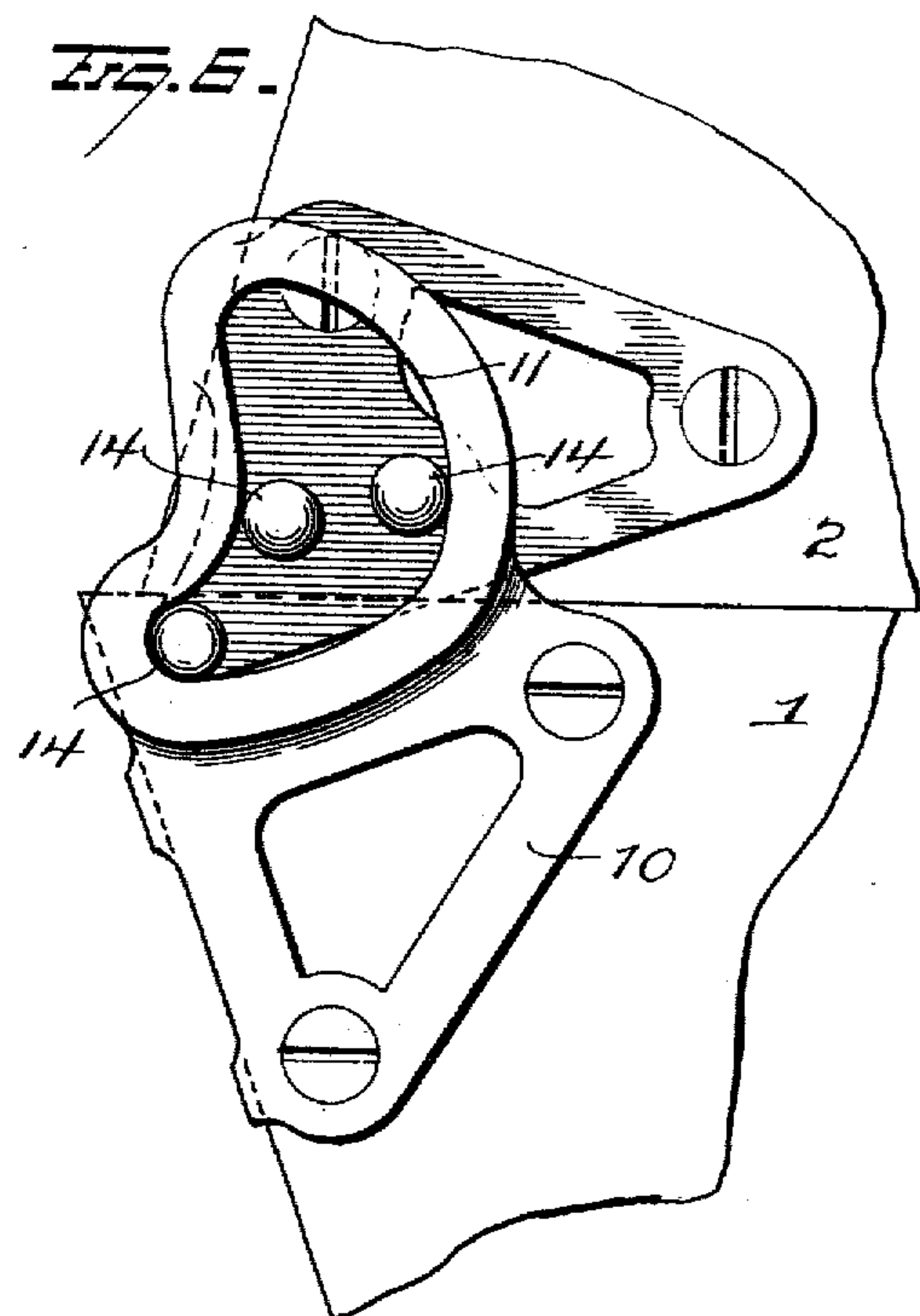
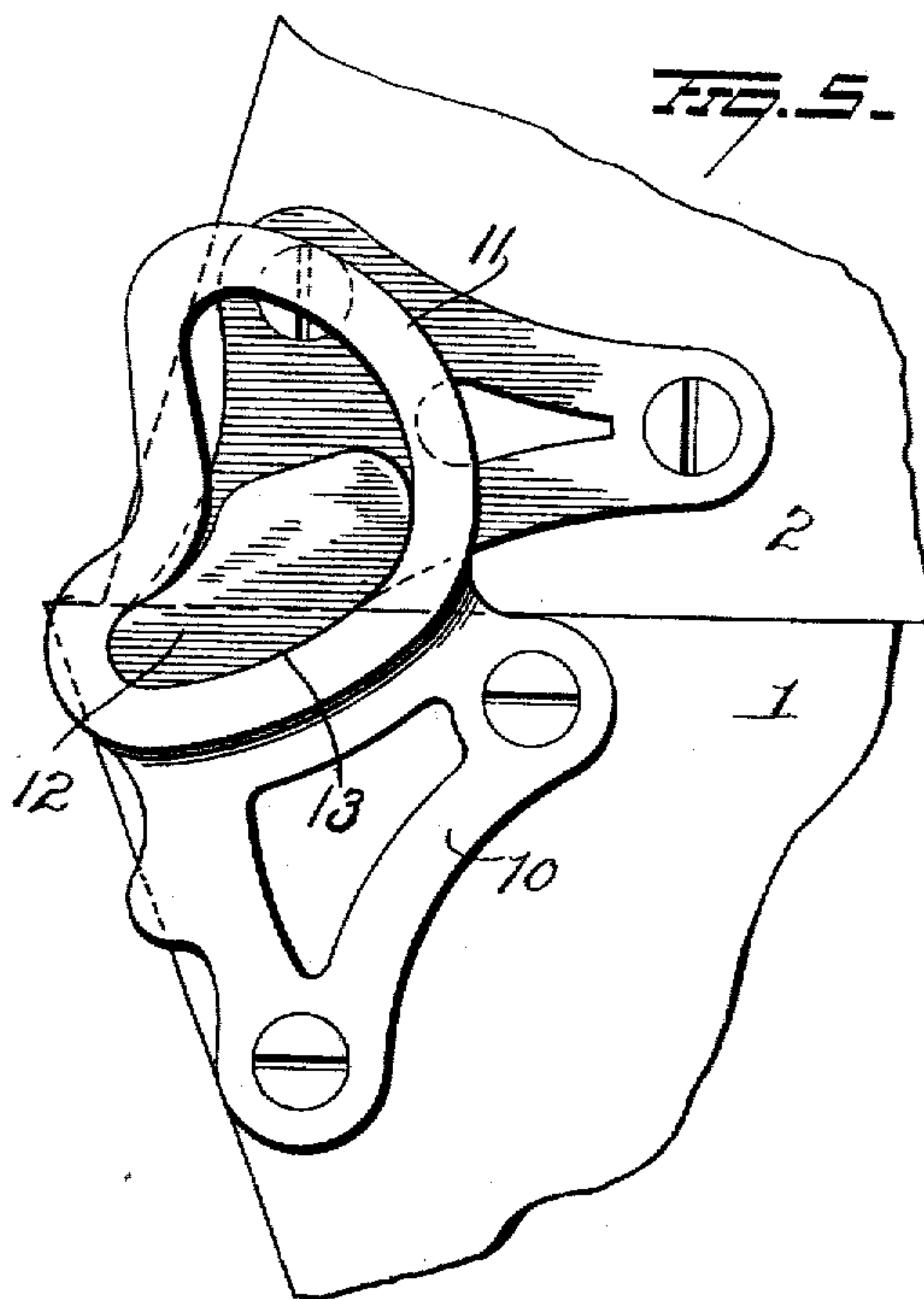
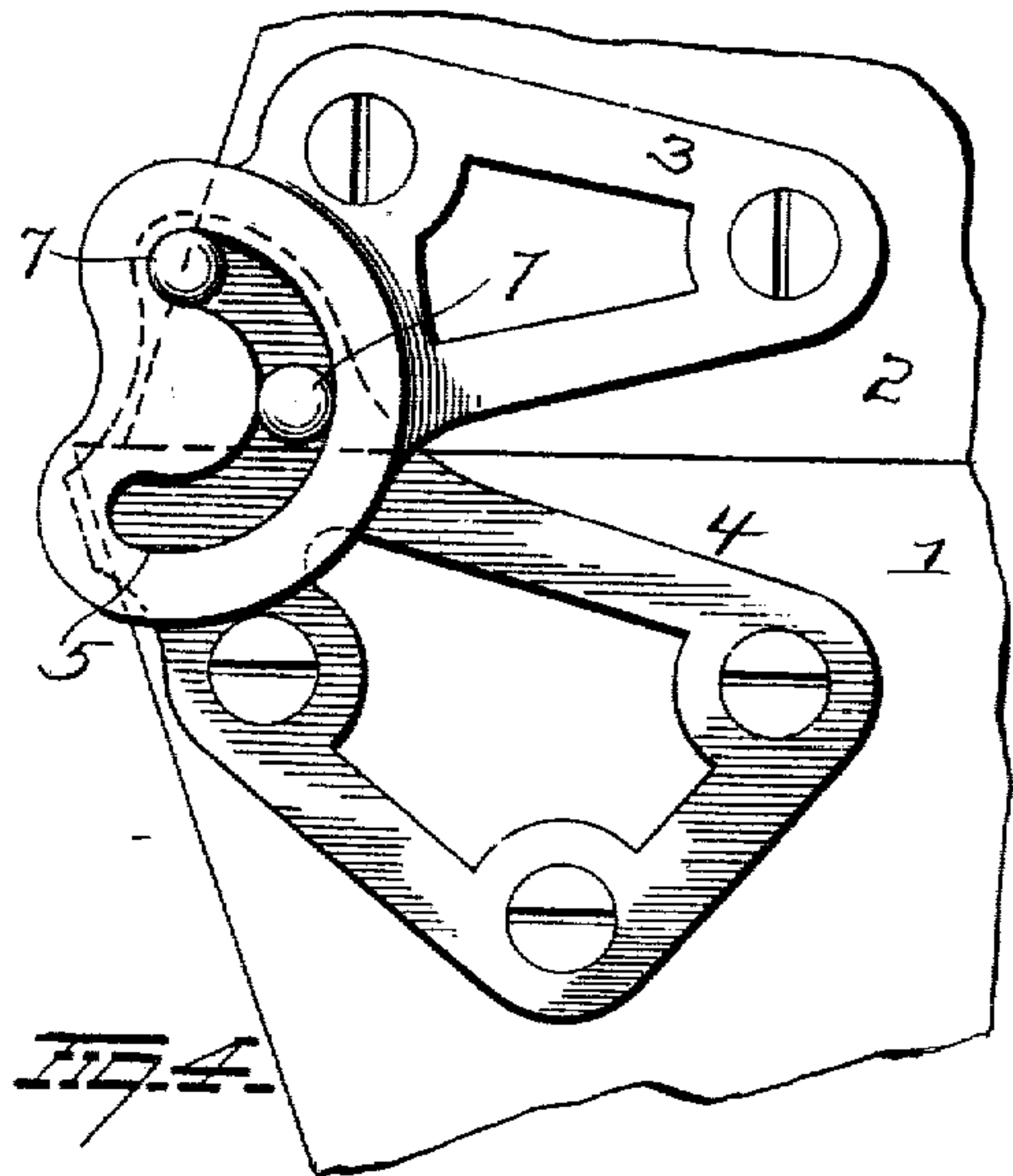
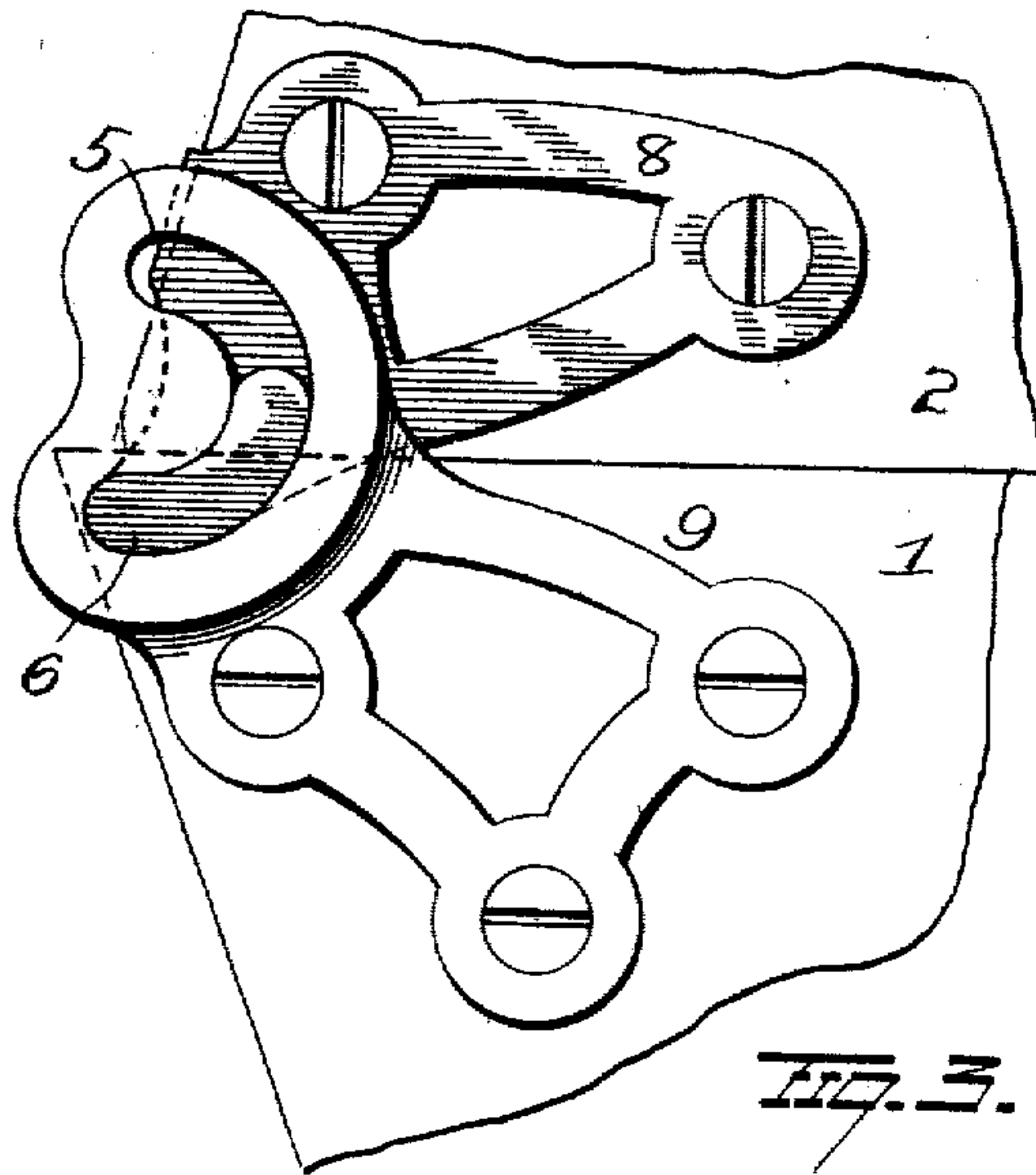
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

JOHN R. CARTER, OF AUGUSTA, KENTUCKY, ASSIGNOR TO ERNST H. HUENEFELD, OF CINCINNATI, OHIO.

HINGE.

No. 814,354.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed March 24, 1905. Serial No. 251,862.

To all whom it may concern:

Be it known that I, JOHN R. CARTER, a resident of Augusta, in the county of Bracken and State of Kentucky, have invented certain new and useful Improvements in Hinges; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in hinges, more particularly to hinges for use on washing-machines, boxes, trunks, and the like, the object of the invention being to provide a hinge consisting of two members, one of which has a curved guide and the other member having a lug or lugs movable in engagement with said curved guide to control the opening and closing movement of the cover and in opening project the edge or end of the cover forward over the body.

With these and other objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in side elevation illustrating my improvements. Fig. 2 is a similar view showing the cover open, and Figs. 3, 4, 5, and 6 are views of modifications.

1 represents a body, and 2 a cover thereon.

3 and 4 represent the two members of my improved hinge secured, respectively, to cover 2 and body 1. These members 3 and 4 are provided with overlapping portions and the overlapping portion of upper member 3 is made with a curved slot 5 to receive a curved lug 6 on member 4. This curved lug 6 is of such length and is so disposed that when the cover is closed it will rest in the upper end of the slot 5, and as the cover is raised the member 3 will swing upward and rearward with the cover and the curved guide 5 will move on the lug 6 to permit the cover to swing open and draw its edge or end forward over the body, and when in its extreme open position the lower end of the curved guide-slot 5 will be in engagement with the lug 6 and hold the cover in its open position.

As shown in Fig. 4, instead of employing a long curved lug I may employ two or more studs or lugs 7 and accomplish the same pur-

pose, and, as shown in Fig. 3, the lug 6 may be carried by the upper movable member 8 and the curved guide-slot 5 be provided in the lower fixed member 9.

In the modification illustrated in Fig. 5 one member 10 is provided in its overlapping portion with an approximately heart-shaped opening, one wall 11 thereof being curved and constituting a guide-wall for an enlarged lug 12 on the other member of the hinge, of a shape to fit either half of the opening and having a curved side edge 13 to move against the curved guide-wall 11, and instead of employing this enlarged lug 12 I might employ three smaller studs 14, arranged as shown in Fig. 6.

A great many other changes might be made in the general form and arrangement of the parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention. Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a hinge, the combination of two members, one of said members having a single curved guide-opening provided with a continuous guide-wall, and a lug on the other member entering said curved guide-opening and adapted to travel on the guide-wall to control and pivot the parts together.

2. In a hinge, the combination of two members having overlapping portions, the overlapping portion of one member having a curved guide and a lug on the overlapping portion of the other member engaging the curved guide and constituting the only connection between the members.

3. In a hinge, the combination of two members having overlapping portions, the overlapping portion of one member made with a single curved guide-opening, and a lug on the overlapping portion of the other member having a curved edge conformable with and movable against the wall of the curved guide-opening.

4. In a hinge, the combination of two members having overlapping portions, the overlapping portion of one member made with a curved guide-slot, and means on the other member located in said slot and which in

either extreme position of the hinge has one bearing-point at one end and one at or near the center of the slot.

5 In a hinge, the combination of upper and lower members having overlapping portions, the overlapping portion of one member having a single curved slot and the other member having a lug in said slot said lug and the wall of the slot cooperating to pivotally
10 support one member relatively to the other and throw the upper member forward when opened.

6. In a hinge, the combination of two mem-

bers having overlapping portions, the overlapping portion of one member having a
15 curved guide and means on the overlapping portion of the other member engaging the curved guide and constituting the only connection between the members.

In testimony whereof I have signed this
20 specification in the presence of two subscribing witnesses.

JOHN R. CARTER.

Witnesses:

S. W. FOSTER,

R. S. FERGUSON.