

F. V. MADDEN.

HINGE.

APPLICATION FILED MAY 3, 1909.

929,615.

Patented July 27, 1909.

Fig. 1.

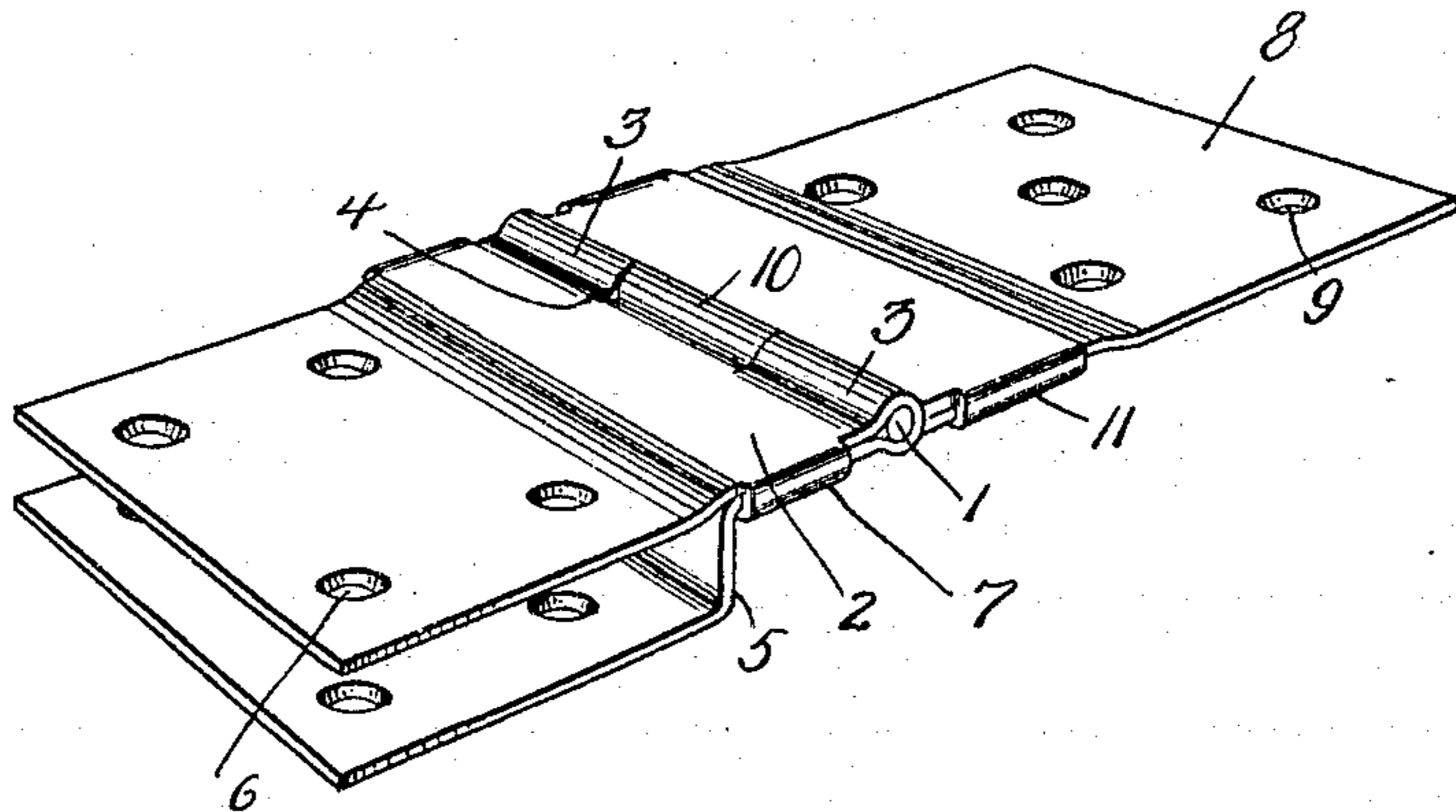


Fig. 2.

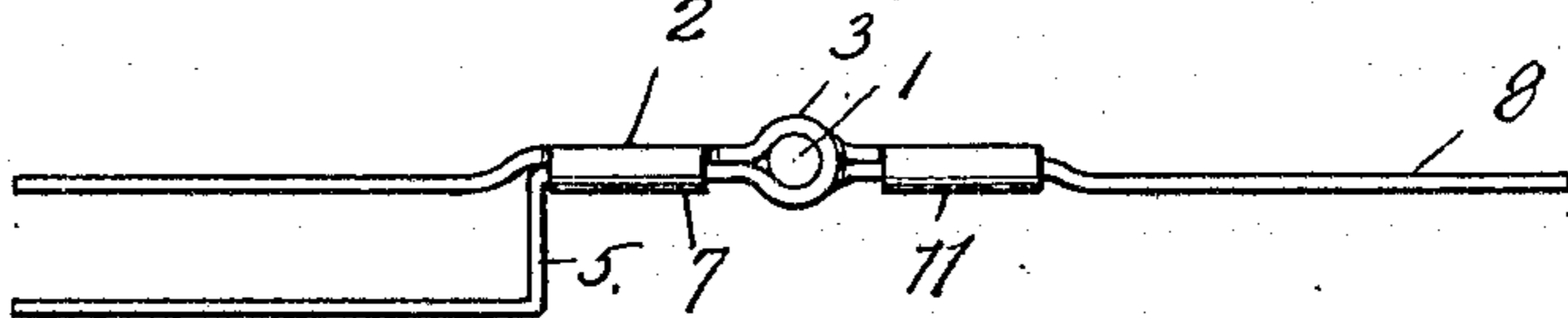


Fig. 3.

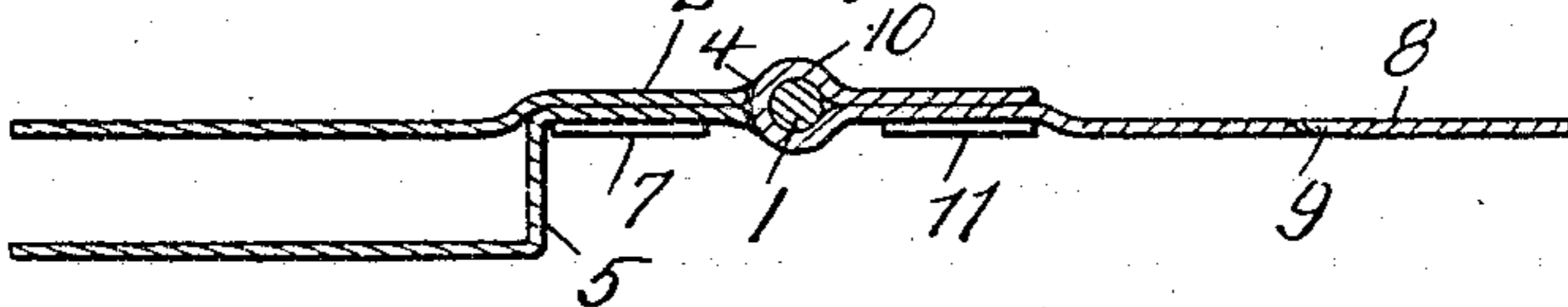
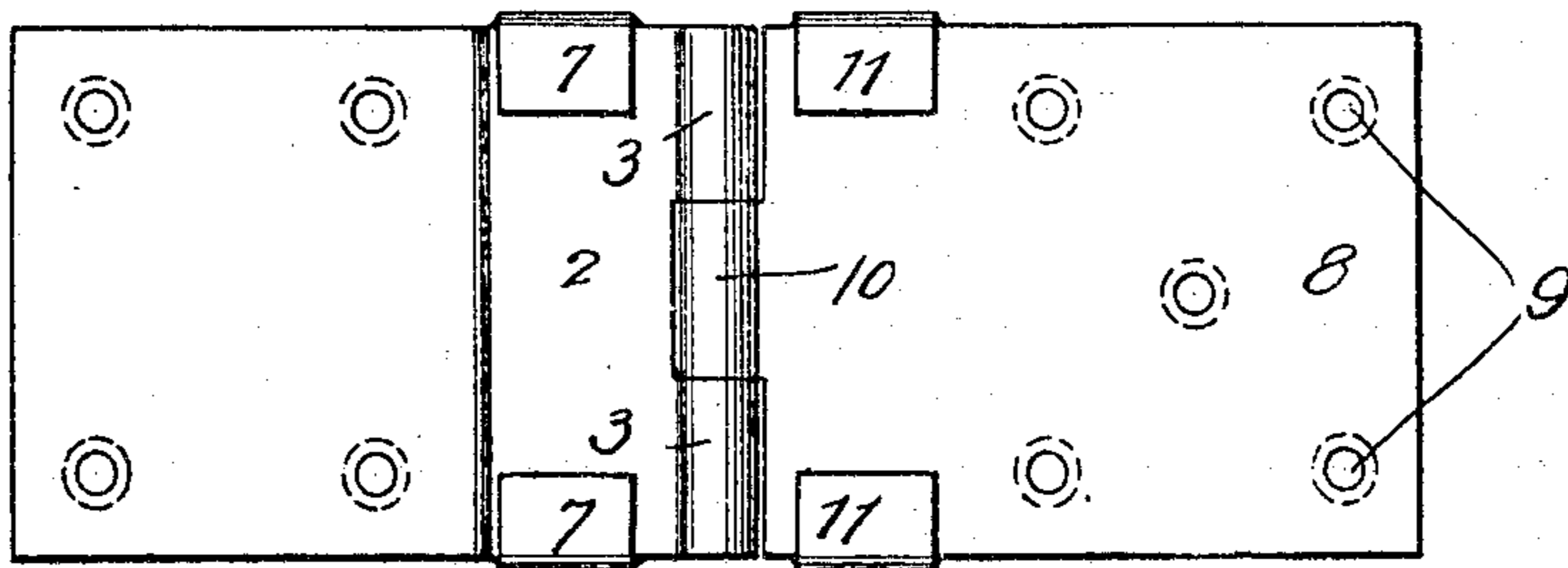


Fig. 4.



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UNITED STATES PATENT OFFICE.

FRANK V. MADDEN, OF VANDERBILT, PENNSYLVANIA.

HINGE.

No. 929,615.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed May 3, 1909. Serial No. 493,630.

To all whom it may concern:

Be it known that I, FRANK V. MADDEN, a citizen of the United States of America, residing at Vanderbilt, in the county of Fayette and State of Pennsylvania, have invented certain new and useful Improvements in Hinges, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to hinges, and more particularly to that type of hinge adapted to be used in connection with a box or other receptacle, having a lid.

15 The object of the invention is to provide a novel box hinge that will allow the lid of a box to swing open and fold against the back of the box.

20 I attain the above object by a strap hinge consisting of two members having the confronting edges thereof provided with knuckles adapted to aline for a pintle or pivot pin. The members of the hinge being constructed of sheet metal, bent and connected together to provide a simple and durable hinge that 25 will be highly efficient for the purposes for which it is intended.

30 Referring to the drawing forming part of this specification there is illustrated a preferred embodiment of my invention, but it is to be understood that the structural elements thereof can be changed as to shape and size, which latter fall within the scope of the claims hereunto appended.

35 In the drawings, Figure 1 is a perspective view of the hinge, Fig. 2 is a side elevation of the same, Fig. 3 is a longitudinal sectional view of the hinge, and Fig. 4 is a bottom plan.

40 The hinge comprises two members pivotally connected together by a pintle or pivot pin 1. One member comprises a metallic strap 2, bent upon itself, to form a knuckle 3, this knuckle intermediate its ends being cut away, as at 4, thereby providing really two knuckles adapted to receive the pintle 1. 45 The strap 2 has one end thereof bent downwardly, as at 5, and in a plane parallel with the opposite end of the straps having alining openings 6 whereby screws or similar fasten-

ing means can be used for securing the parallel ends of the straps over the upper edges of the box or similar receptacle. The strap 2, adjacent to the knuckles 3 is provided with side lugs 7 adapted to be bent under the edges of that portion of the strap adjacent to the bent portion 5 of the strap. The other 50 member of the hinge comprises a strap 8, having one end thereof provided with openings 9, while the opposite end is bent upon itself to form a single knuckle 10, and the bent end of said strap is provided with oppositely disposed side lugs 11 adapted to be bent into engagement with the edges of the top of the strap. The knuckle 10 is adapted to fit between the knuckles 3 and aline with said knuckles, whereby the pintle 1 can extend through all of said knuckles and pivotally hold all of said members together. 60

With the strap 2 firmly secured to the upper edge of the box and the strap 8 to the lid thereof, it is obvious that the lid can be folded back against the back of the box, and that the bent portion 5 of the strap 2 provides clearance for the lid of the box when in a closed position. 70

It will be observed that the members of the hinge can be easily and quickly cut from sheet metal, bent and then pivotally connected together to form the hinge as shown in Fig. 1 of the drawings. 75

Having now described my invention, what I claim as new, is;— 80

A hinge comprising two straps, one of said straps being bent to provide knuckles with the ends of said straps parallel, the other strap being bent to provide a single knuckle adapted to fit between the first mentioned knuckles, a pintle extending through said knuckles, and bendable lugs carried by the body of said straps for connecting the bent portions thereof to the body. 85 90

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

FRANK V. MADDEN.

Witnesses:

JESS LEWIS,
W. E. KELLY.