

No. 875,242.

PATENTED DEC. 31, 1907.

W. R. CORBIN.  
HINGE.

APPLICATION FILED SEPT. 19, 1906.

Fig. 1.

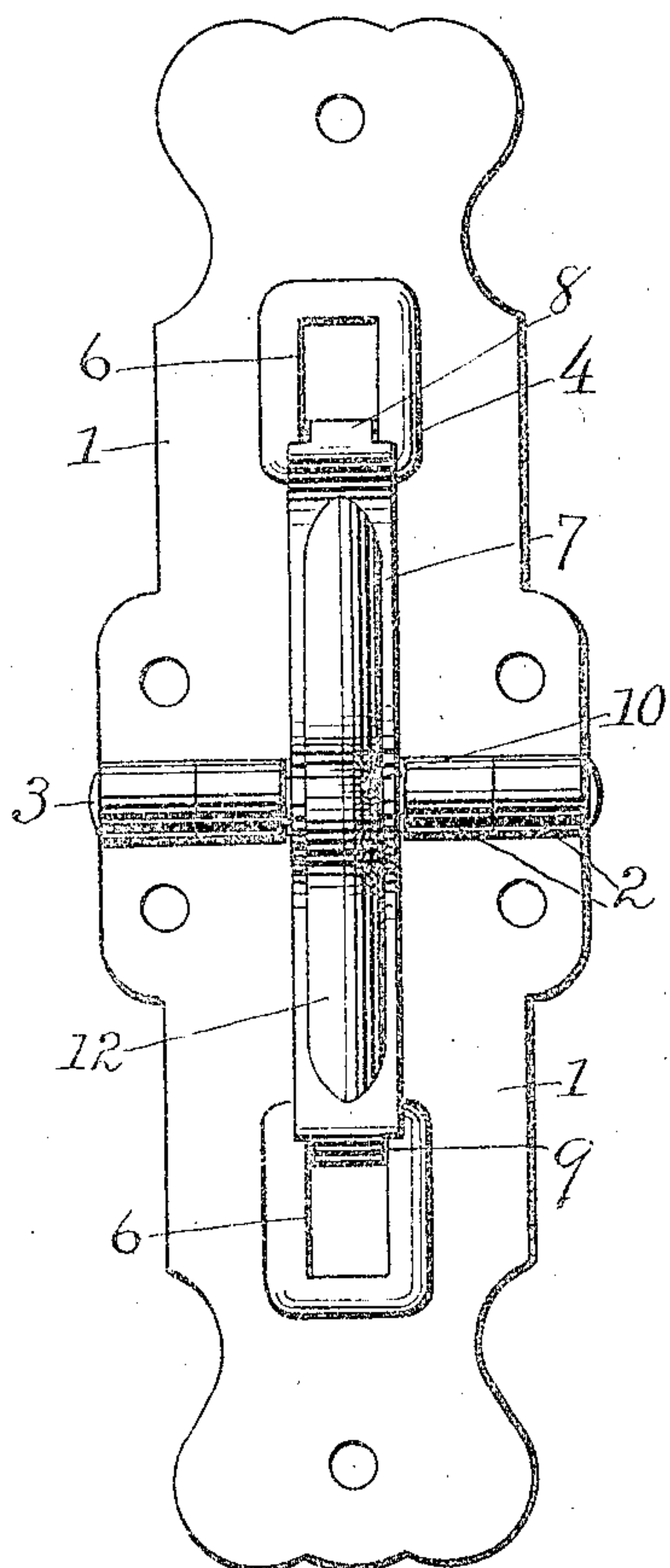


Fig. 2.

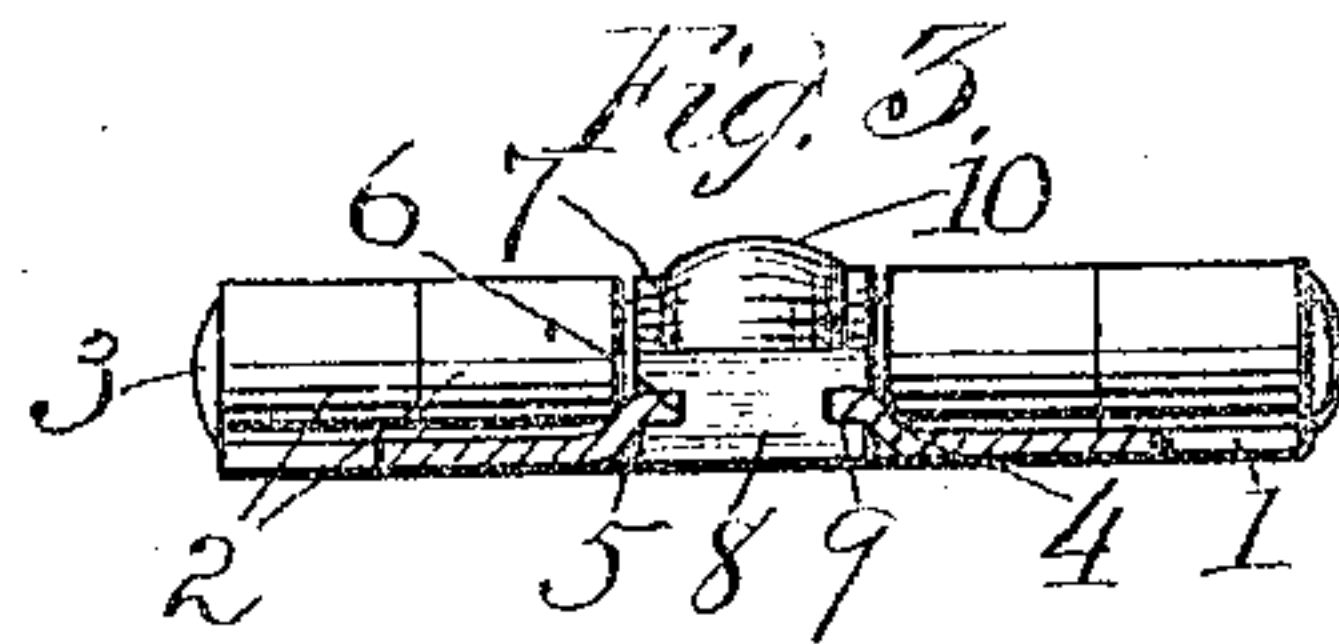
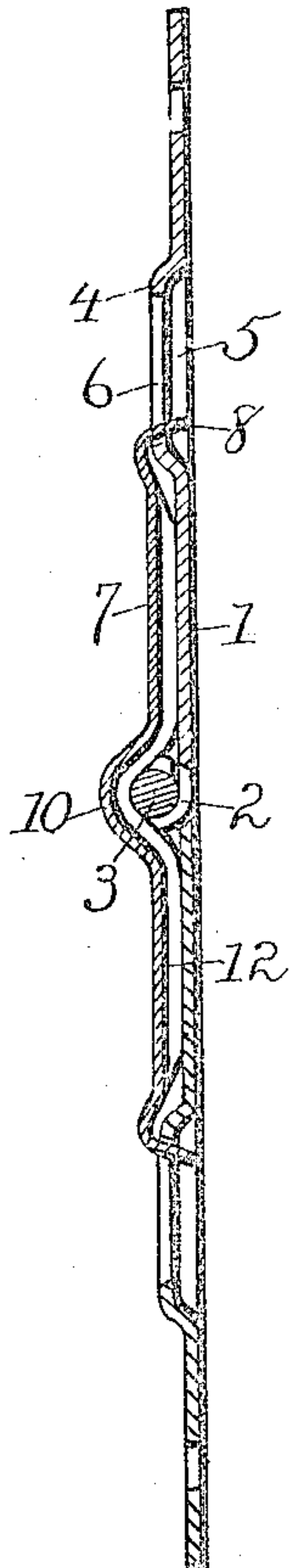


Fig. 4.

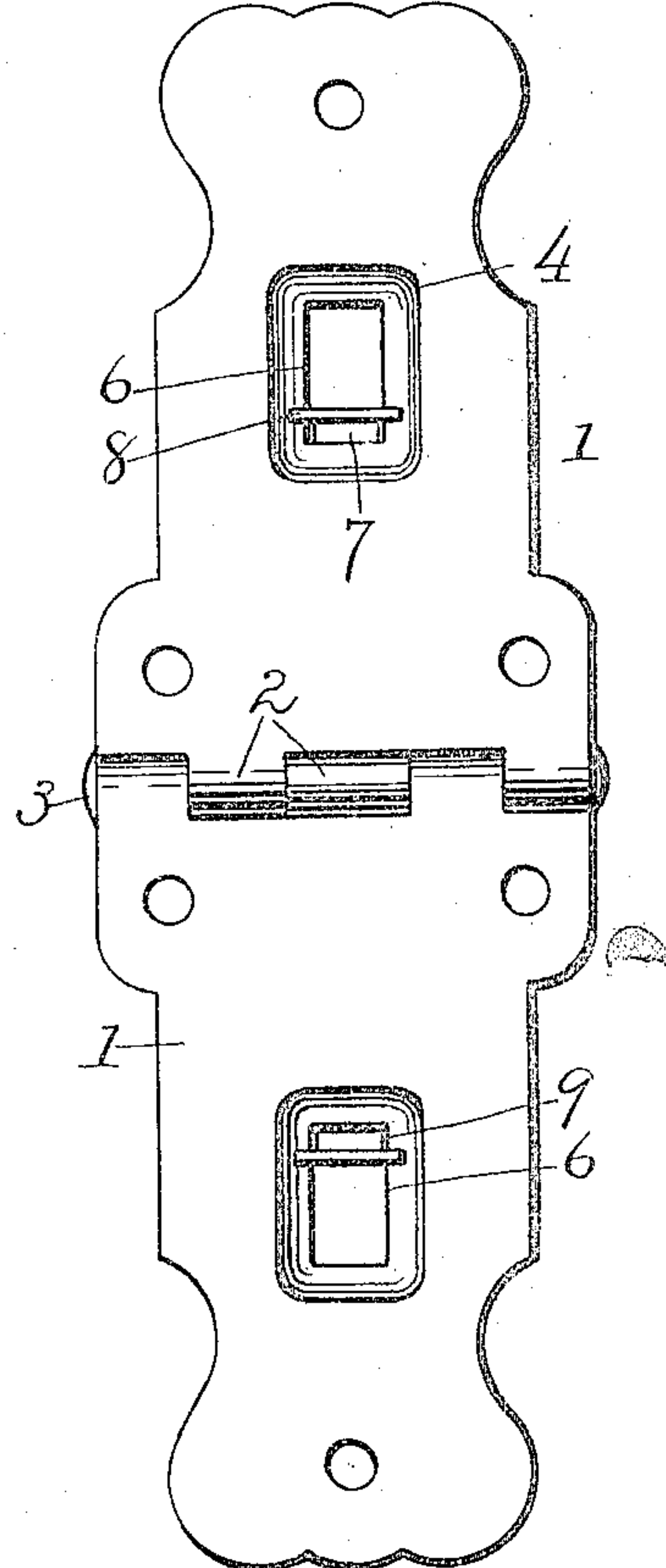
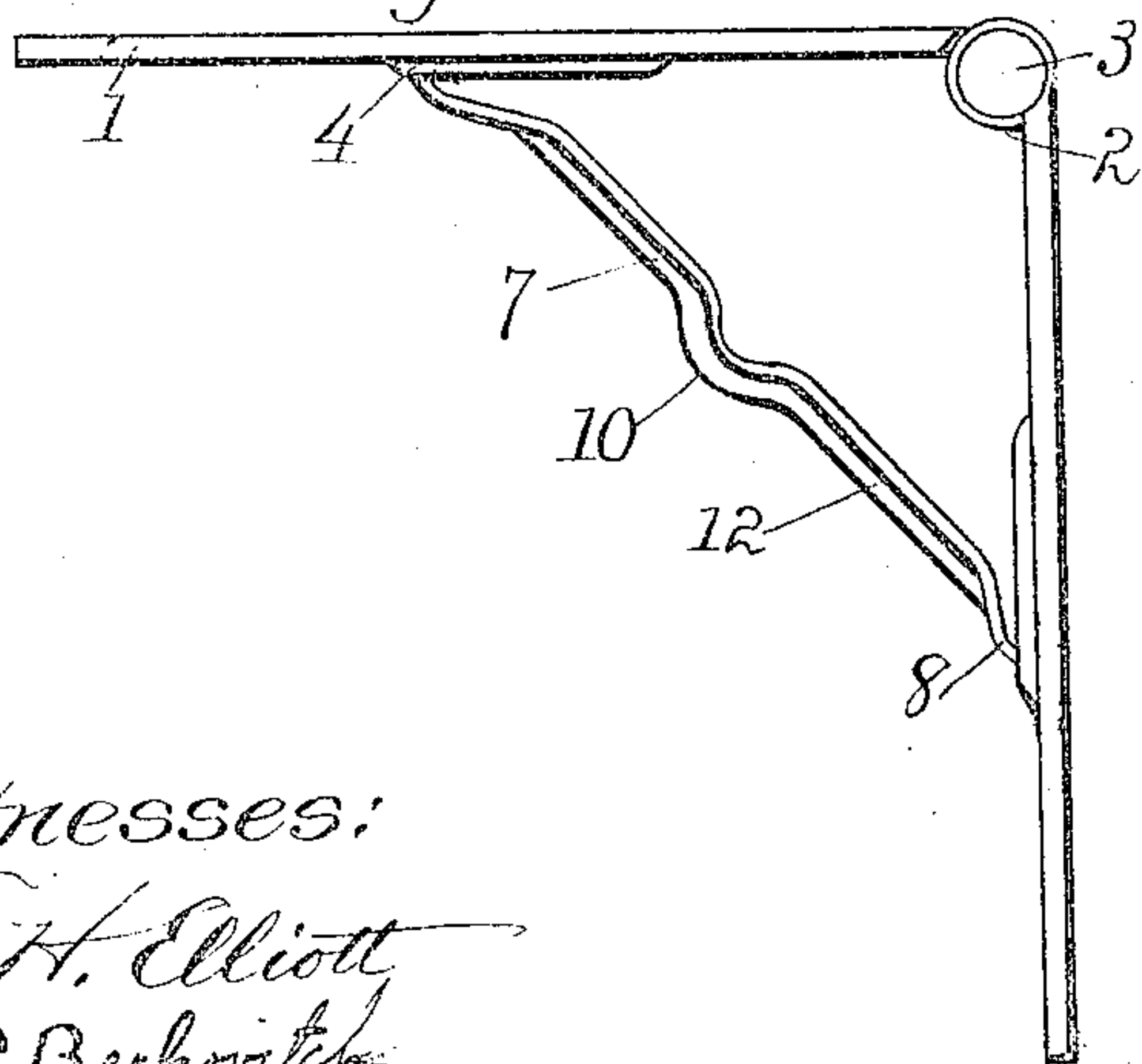


Fig. 5.



Witnesses:

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# UNITED STATES PATENT OFFICE.

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## HINGE.

No. 875,242.

Specification of Letters Patent.

Patented Dec. 31, 1907.

Application filed September 19, 1906. Serial No. 335,204.

*To all whom it may concern:*

Be it known that I, WILBUR R. CORBIN, a citizen of the United States, and a resident of New Britain, in the county of Hartford and State of Connecticut, have invented a new and Improved Hinge, of which the following is a specification.

My invention relates more especially to the class of hinges used on trunks or like receptacles, and the object of my invention is to provide such a hinge that shall be extremely cheap in construction, of extreme strength and durability, simple and effective in operation, and few as to its number of parts. A hinge in the use of which these objects may be attained is illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of a hinge embodying my invention. Fig. 2 is a view in lengthwise central section through the same. Fig. 3 is a view in cross section through the hinge on a line passing through the pocket in which the brace bar is located. Fig. 4 is a bottom view of the hinge. Fig. 5 is an edge view of the hinge showing the leaves in position when the cover of the receptacle is open.

In the accompanying drawings the numeral 1 denotes the leaves of the hinge. These may be constructed of brass or any other suitable material provided at their adjacent edges with knuckles 2 through which the pintle 3 extends for pivotally uniting the parts. As shown in Fig. 4 of the drawings, these leaves are duplicates each of the other so that but a single pattern is required for the two leaves composing a single hinge. Each leaf of the hinge is raised on what may be termed its upper surface, or that surface exposed to view when the hinge is in place on a receptacle. This raised portion constitutes a projection 4 providing a pocket 5 located on the under surface of the leaf. An opening 6 extends through each of the projections from the pocket to the outer surface of the leaf. It will be noted that the leaf, except for the projection 4, is perfectly flat.

A brace bar 7 is provided at opposite ends with heads 8. These heads are formed preferably by cutting notches 9 in opposite sides of the bar. The distance between the bot-

toms of adjacent notches is practically equal to the width of the openings 6. The bar is shaped to conform to the outer surface of the hinge as a whole, the ends of the bar being bent downward from the point where they project into the openings 6, and the center of the bar being raised as at 10 to pass over the pintle 3. A rib 12 is formed on the outer surface of the bar extending lengthwise thereof, this rib forming a strengthening means for the bar. The brace bar 7 has a sliding movement in the openings 6 at each end of the hinge, these openings being formed at some distance from the pintle and preferably nearer the end of the hinge.

The parts are all formed of sheet metal stamped to shape and when assembled a very compact hinge, neat in appearance, and comparatively smooth as to its outer surface is provided.

It will be seen that in the operation of the device an opening of minimum size is required for the brace bar 7, the headed end of which, by engagement with the edges of the openings, supports the cover of a receptacle when it is open. The brace bar moves in each opening, and by thus providing an opening of minimum size in each of the leaves greater strength in each is obtained and the making of the leaves of a hinge duplicates each of the other and having the brace is possible.

In producing this hinge applicant's aim among others is to obtain a structure which shall be comparatively plain and neat and at the same time one having a maximum amount of strength. The construction of each of the openings 6 to allow the brace-bar to move therein enables the production of the device with the leaves cut to a very limited extent, and the opening is located at a point near the end where the lesser strains are produced and occupying a comparatively small portion of the surface of the hinge.

What I claim as my invention and desire to secure by Letters Patent is:—

1. Two hinge sections pivotally united and duplicates each of the other, each having a small opening through its upper surface and located at the outer end thereof, and a bar extending along the center of the leaves and

having T-shaped ends each engaging within and movable lengthwise along said openings.

2. Two hinge sections pivotally united and duplicates each of the other, each having a  
5 small recessed projection at its upper surface forming a pocket underneath with a slot projecting through into said pocket, and a bar

extending along the center of the leaves and having T-shaped ends each engaging within and movable lengthwise along said pockets. 10  
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Witnesses:

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