

No. 889,798.

PATENTED JUNE 2, 1908.

W. A. MARKEY.

HINGE.

APPLICATION FILED FEB. 23, 1906.

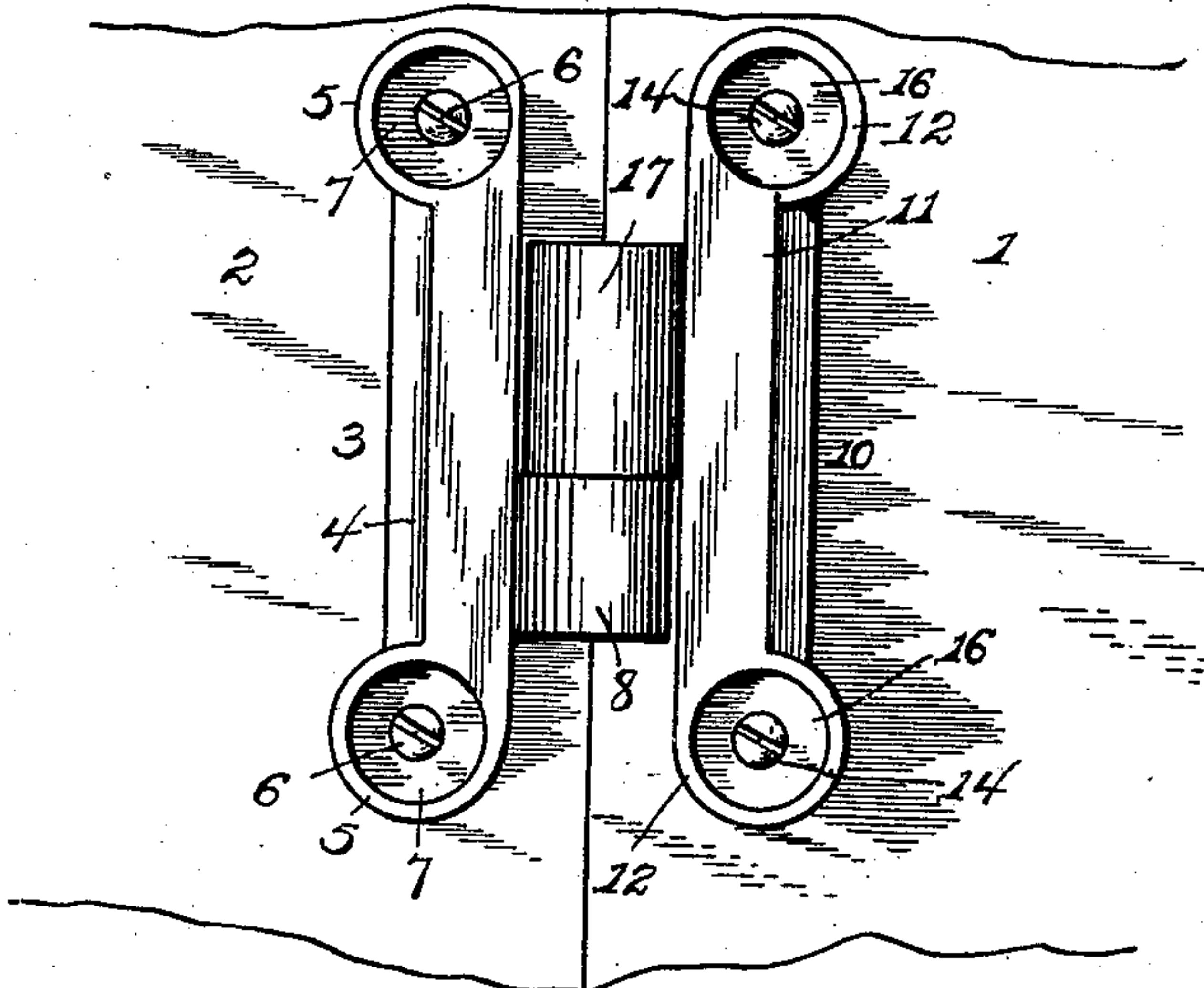


Fig. 1.

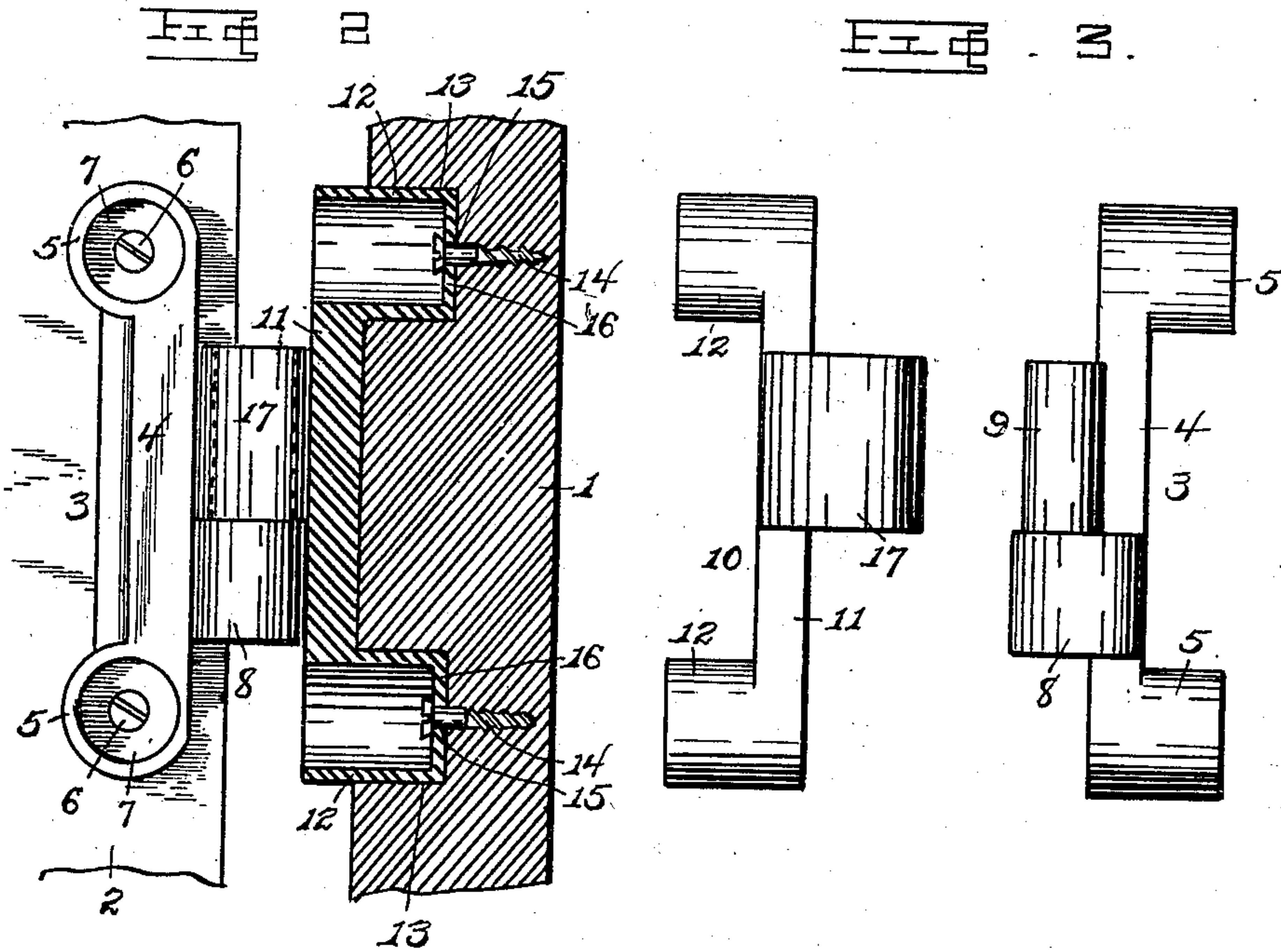
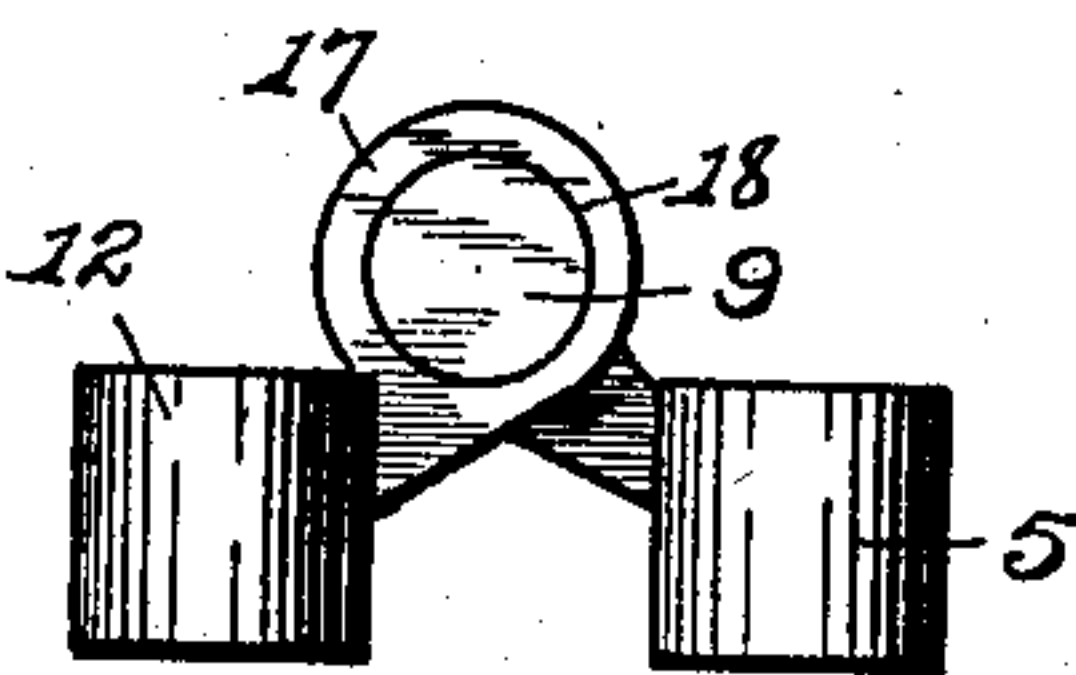


Fig. 4.

WITNESSES.

Robt. F. Dilworth
J. A. Lennard



INVENTOR
William A. Markey.
By
H. E. Lennard
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM A. MARKEY, OF MOUNDSVILLE, WEST VIRGINIA.

HINGE.

No. 889,798.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM A. MARKEY, a citizen of the United States of America, and resident of Moundsville, county of Marshall and State of West Virginia, have invented certain new and useful Improvements in Hinges, of which the following is a specification.

My invention relates to new and useful improvements in hinges, and more particularly to hinges for doors; and it consists in the particular construction, arrangement and combination of parts which will hereinafter be fully described.

The object of the invention is to provide a simple, durable and inexpensive hinge for doors and the like which does not require that the door and door-jamb, or either of them, be mortised to receive it; and which, consequently, dispenses with the tedious fitting usually required when butt-hinges are employed.

A further object is to provide a hinge which may be readily applied and which does not require that a door be taken down for further adjustment of the hinges after having once been set up in position. And a still further object is to provide what may, in contradistinction to a butt-hinge, be termed a "surface-hinge", which will rigidly support a door in place and which will readily admit of the door being taken down when occasion requires.

In describing the invention in detail, reference is herein had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a front elevation of the hinge applied in position; Fig. 2 is a vertical section of the invention applied to a door, said section being taken through the door with the latter standing open; Fig. 3 is an edge view of the hinge-members detached one from the other; and Fig. 4 is an upper end view of the hinge.

Referring to said drawings, in which like reference-numerals designate like parts throughout the several views—1 indicates a door and 2 a door-jamb. Mounted upon the door-jamb 2 is a hinge-member 3 consisting, in part, of a longitudinal bar 4 which carries upon its under face at each end thereof an integral cylindrical hollow post 5. Said posts are adapted for fitting closely in sockets provided therefor in the face of the jamb 2. To secure said hinge-

member 3 in place, screws 6 are driven into the jamb 2 through holes provided in the bottom 7 of said posts. Carried by said member 3 at a suitable point on the inner edge of the bar 4 is an integral outwardly-inclined lug 8 having formed integral therewith on its upper face a vertical pintle or pin 9.

Mounted on the door 1 at a suitable point directly opposite the hinge-member 3 is a second hinge-member 10 consisting, in part, of a longitudinal bar 11 having integral cylindrical hollow posts 12 upon its ends for fitting in sockets 13 provided therefor in the door 1, said bar 11 and posts 12 being respectively similar to the bar 4 and posts 5 of the member 3. The member 10 is secured in place upon the door by means of screws 14 projected through screw-holes 15 provided in the bottoms 16 of the posts 12, as is clearly shown in Fig. 2.

At a suitable point on the inner edge of the bar 11 is an integral outwardly-inclined lug 17 having a vertical eye 18 therethrough. Said lug 17 is mounted upon the lug 8 with the pin 9 passing through the eye 18.

In fitting a door upon the hinges, the door is set up in position and, after determining the proper positions therefor, the sockets 13 are bored in the face of the door. Similar sockets are bored in the face of the jamb at the proper points. Then, having first connected the two hinge-members by projecting the pin 9 through the eye 18, the posts are fitted in said sockets and the retaining-screws are inserted.

It will be noted that little, if any, strain is borne by the retaining screws, said screws being merely intended to hold the posts in place in the sockets; but the weight of the door and the consequent strain is almost wholly borne by the posts, which fit closely in their sockets. Therefore, the hinges are but little liable to become loose from constant use, and there is no tendency on the part of the door to sag.

As is apparent, the door may be conveniently taken down at any time by lifting it while open to disengage the pins 9 and eyes 18.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a surface hinge for doors and the like, two complementary hinge members, one member being adapted for securing to the face of a door and the other member to the

corresponding face of a door-jamb, each member consisting of a metal plate having integral therewith on its inner face two tubular posts of equal caliber throughout for
5 fitting in sockets provided therefor in the door and door-jamb, said posts standing at right angles to the planes of said plates, each post having at its inner end an integral closure apertured for the reception of a securing-
10 screw, each plate having formed integral

therewith an outwardly-extending lug, one of said lugs bearing a vertical pin on its upper face and the other having an eye there-through for the reception of said vertical pin.

Signed by me in presence of two subscribing witnesses. 15

WILLIAM A. MARKEY.

Witnesses:

H. E. DUNLAP,

EARLE D. LENKARD.