

June 3, 1924.

1,496,466

C. JACKSON

HINGE

Filed April 19, 1923

Fig. 1.

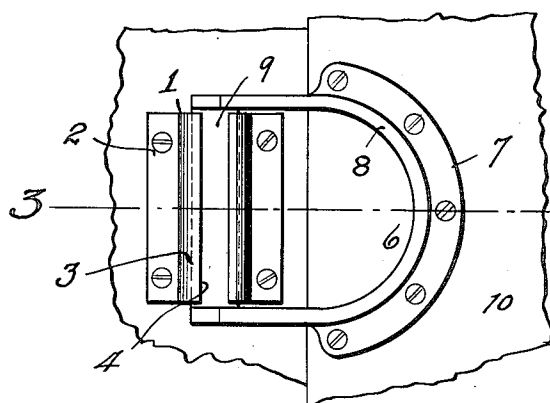


Fig. 2.

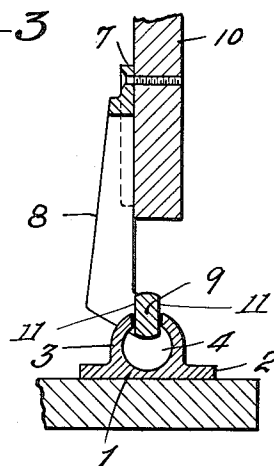
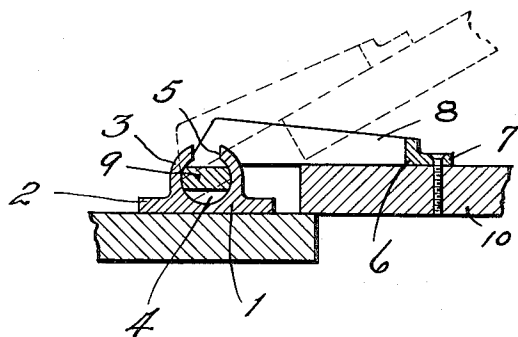


Fig. 3.



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HINGE

Application filed April 19, 1923. Serial No. 633,300.

To all whom it may concern:

Be it known that I, CALVIN JACKSON, a citizen of the United States, residing at Jacksonwald, in the county of Berks and State of Pennsylvania, have invented certain new and useful Improvements in Hinges, of which the following is a specification.

This invention relates to improvements in hinges, and the object in the present invention is to provide a hinge of simple construction but durable and easy in action.

The invention contemplates a two-part hinge of the separable form, that is, one in which the one member may be withdrawn from the other member when they are in extreme open position.

The hinge is intended for use in all cases where the object to which one hinge member is attached is to be removed from the object to which the other hinge member is attached, as for instance, the hinged cover of a washing machine.

The invention is more fully described in the following specification and clearly illustrated in the accompanying drawing, in which:—

Figure 1 is a plan view of my hinge, applied.

Figure 2 is a central sectional view of the hinge, with the movable member in vertical or raised position, ready to be released from engagement with the stationary member.

Figure 3 is a like sectional view with the movable member in lowered position, secure in its engagement with the other or stationary member.

The numeral 1 designates the stationary member, that is, the member to be secured to the immovable object. This member comprises a base portion 2, provided with screw holes for securing it in position, and an integral barrel 3 is formed thereon, which barrel is provided with a substantially circular opening 4 extending its entire length, and the upper face of this barrel is provided with a longitudinal open-

ing or slot 5 which also extends the entire length of the barrel.

The numeral 6 designates the other or movable member of the hinge and this member comprises a base portion 7, provided with screw holes for securing it to the swinging or movable body 10, and an integral, semi-circular flange 8 formed thereon. This flange extends beyond the ends of the base portion, and between the ends of the flange is formed an integral journal 9. This journal is formed with two opposed flat surfaces 11, and the distance between these flat surfaces, that is, the thickness of the journal, is slightly less than the width of the slot 5 in the barrel 3, so that, when the member 6 is in raised position, as indicated in Figure 2, the body 10 to which the member 6 is secured may be lifted free from engagement with the member 1.

The journal 9, in its other dimension, is substantially the same as the diameter of the opening 4 in the barrel, and its smaller surfaces are rounded to the same contour as the interior of this barrel opening, so that, when it is in position therein, it will rotate therein.

It is evident therefore, that when the hinge members are joined for action, the usual movement as between the two members is assured, and that, when the disengagement of the one member with the other is desired, it will be necessary only to raise the movable member until the flat sides of the journal are in alignment with the slot in the barrel, when it may be readily lifted from engagement.

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

A hinge comprising a stationary member having a base plate, means for securing it in position, and an integral barrel having a longitudinal slot in its upper surface, extending the entire length of the barrel, and a movable member having a curved base plate, means for securing it in position, a

semi-circular flange formed integrally with the plate, and whose ends extend beyond the plate and lie parallel with each other, and a journal between the extremities of these ends and integral therewith, said journal having two opposed flat surfaces outlining the lesser diameter and two opposed rounded surfaces outlining the greater diameter, the distance between the flat surfaces being approximately the same as the width of the slot and the distance between the rounded surfaces being approximately the same as the interior diameter of the barrel.

In testimony whereof I affix my signature.
CALVIN JACKSON.