

No. 814,288.

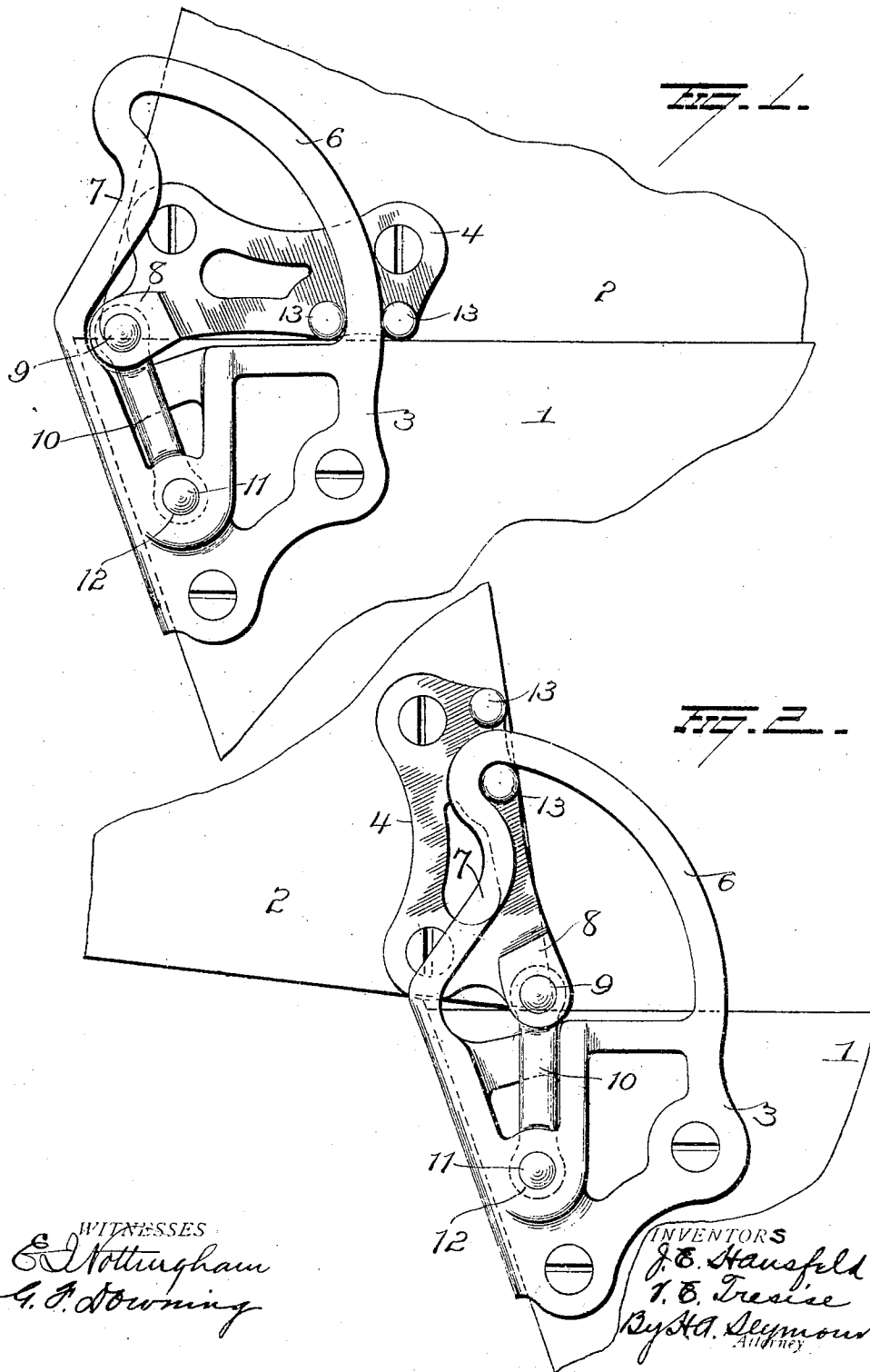
PATENTED MAR. 6, 1906.

J. E. HAUSFELD & V. E. TRESISE.

HINGE.

APPLICATION FILED MAR. 24, 1905.

2 SHEETS—SHEET 1.



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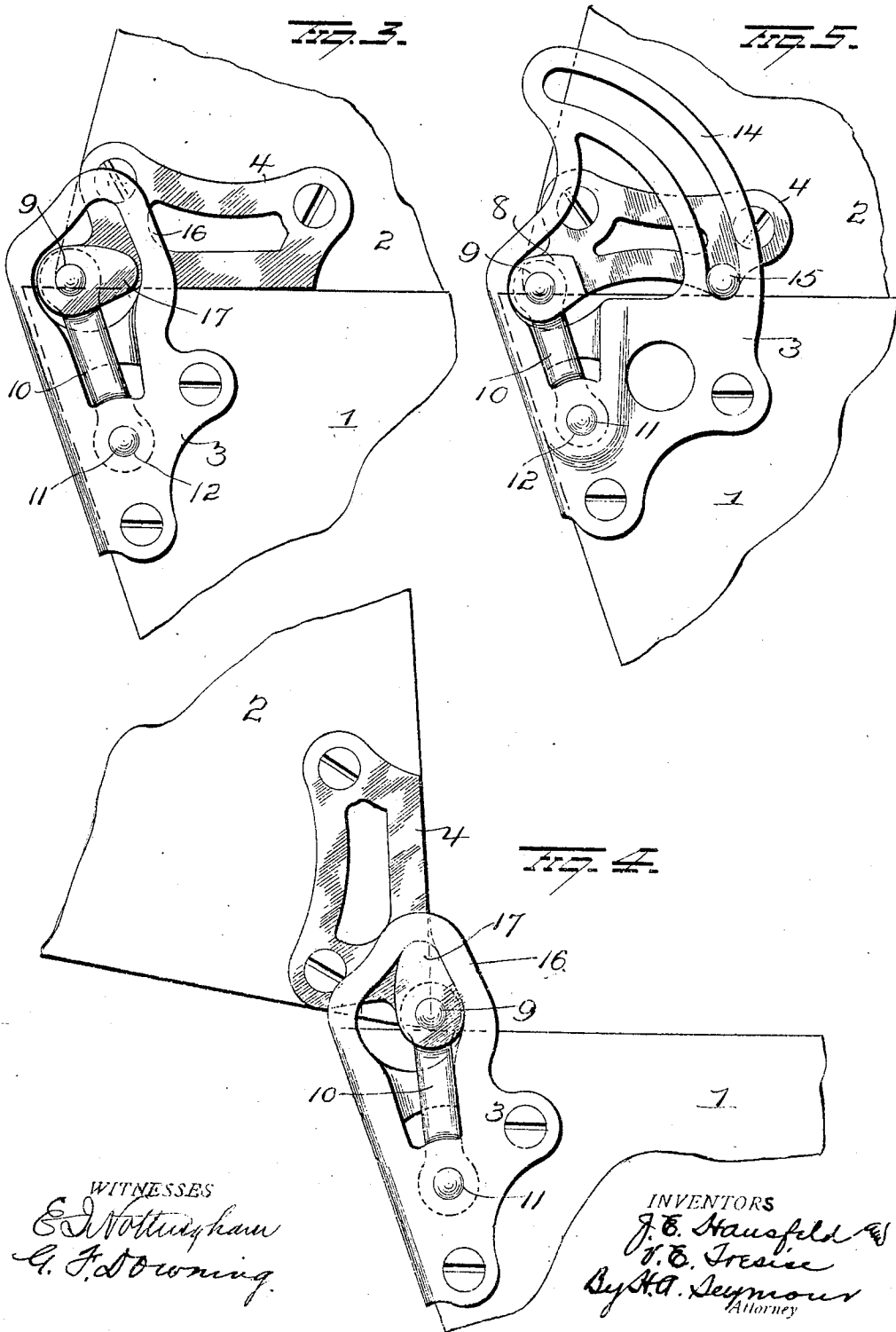
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UNITED STATES PATENT OFFICE.

JOSEPH E. HAUSFELD, OF CINCINNATI, OHIO, AND VICTOR E. TRESISE,
OF DAYTON, KENTUCKY, ASSIGNORS TO ERNST H. HUENEFELD, OF
CINCINNATI, OHIO.

HINGE.

No. 814,288.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed March 24, 1905. Serial No. 251,830.

To all whom it may concern:

Be it known that we, JOSEPH E. HAUSFELD, of Cincinnati, Hamilton county, Ohio, and VICTOR E. TRESISE, of Dayton, in the county of Campbell and State of Kentucky, have invented certain new and useful Improvements in Hinges; and we 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.

Our invention relates to improvements in hinges more particularly adapted for use on washing-machines, trunks, boxes, and the like, the object of the invention being to provide a hinge comprising two members with a pivoting-link between them which is of simple inexpensive construction and strong and durable in use.

With this object 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 our improvements. Fig. 2 is a similar view showing the hinge in open position. Figs. 3 and 4 are views of a modification in closed and open positions, and Fig. 5 is a view of another modification in closed position.

1 represents a body, and 2 a cover connected by our improved hinge, which comprises three parts—namely, a lower member 3, secured to the body, an upper member 4, secured to the cover, and a connecting-link 10. The lower member 3 has a curved guide projecting up beside member 4 and connected at its upper end with the main portion of member 3 by a bar 7, which serves to limit the opening movement of the hinge, as will be readily understood.

Upper member 4 is provided with an offset lug 8, having an opening therein to receive a stud or pintle 9, projecting at right angles to a link 10 and located at the upper end thereof. The lower end of said link 10 has a stud or pintle 11, which is located in an opening or bearing 12 in the body of member 3, and said member 3 is recessed to accommodate link 10 and has a connecting-web across the recess to strengthen the member and receive the wear of the link.

Upper member 4 is provided with lugs or

studs 13, located at opposite sides of the curved guide 6, so that as the cover is raised these studs 13 will follow the curved guide and swing link 10 forward, carrying with it the edge or end of the cover to locate the same over the body and compel the cover to drain into the body. When in its extreme open position, one of the studs 13 will engage the rear bar 7 and the link 10 will be against one wall of its recess and securely hold the cover in its open position. When the cover is closed, the guide-bar 6, in engagement with lugs 13, will compel link 10 to swing back and carry with it the cover, so that when the cover is closed its rear edge or end will be in proper position.

In the form of our improvements illustrated in Fig. 5 instead of having the bar 6 we provide a curved guide-slot 14 in member 3 and mount a lug or stud 15 on member 4 therein, the operation being like the former above described.

In the modification shown in Figs. 3 and 4 a comparatively small guide-bar 16 is provided on member 3, and the offset lug 17 on member 4, which has an opening to receive the upper pintle of link 10, is made in the form of an approximately flat egg shape, so that when the cover is opened its smaller end will rest in the upper bend of bar 16 and a long side of the lug will lie against the forward portion of the bar and support the cover in its open position. When closed, the lug 17 will lie in an approximately horizontal position, as clearly shown in Fig. 3.

Various other changes might be made in the general form and arrangement of the parts described without departing from our invention, and hence we would have it understood that we do not restrict ourselves to the precise details set forth, but consider ourselves at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of our invention.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a hinge, the combination of one member, a link pivoted at one end to said member, means for limiting the swinging movement of the link, a second hinge member pivoted to the link, and means independent of the link for limiting the pivotal movement of said second member.

2. In a hinge, the combination of a lower member having a recess therein, a link located in said recess and pivoted at one end to the lower member, an upper member, a lug thereon pivoted to the upper end of the link, and means for limiting the pivotal movement of said upper member.

3. In a hinge, the combination of a lower and an upper member, a guide on the lower member, a link pivotally connecting the members, and means on the upper member engaging the guide to control the movement of the members and the swinging of the link.

4. In a hinge, the combination of a lower and an upper member, a curved guide on the lower member, a link pivoted at its lower end to the lower member and at its upper end to the upper member, and means on the upper

member engaging the curved guide to control the movement of the upper member in opening and closing.

5. In a hinge, the combination with an upper and a lower member, of a curved guide-bar on the lower member, a link pivotally connecting said members, and studs on the upper member at opposite sides of the curved bar.

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

JOSEPH E. HAUSFELD.
VICTOR E. TRESISE.

Witnesses:

JOHN R. CARTER,
GEO. W. CORMANY.