

(No Model.)

H. W. GIBBS.
TRUNK HINGE.

No. 506,632.

Patented Oct. 10, 1893.

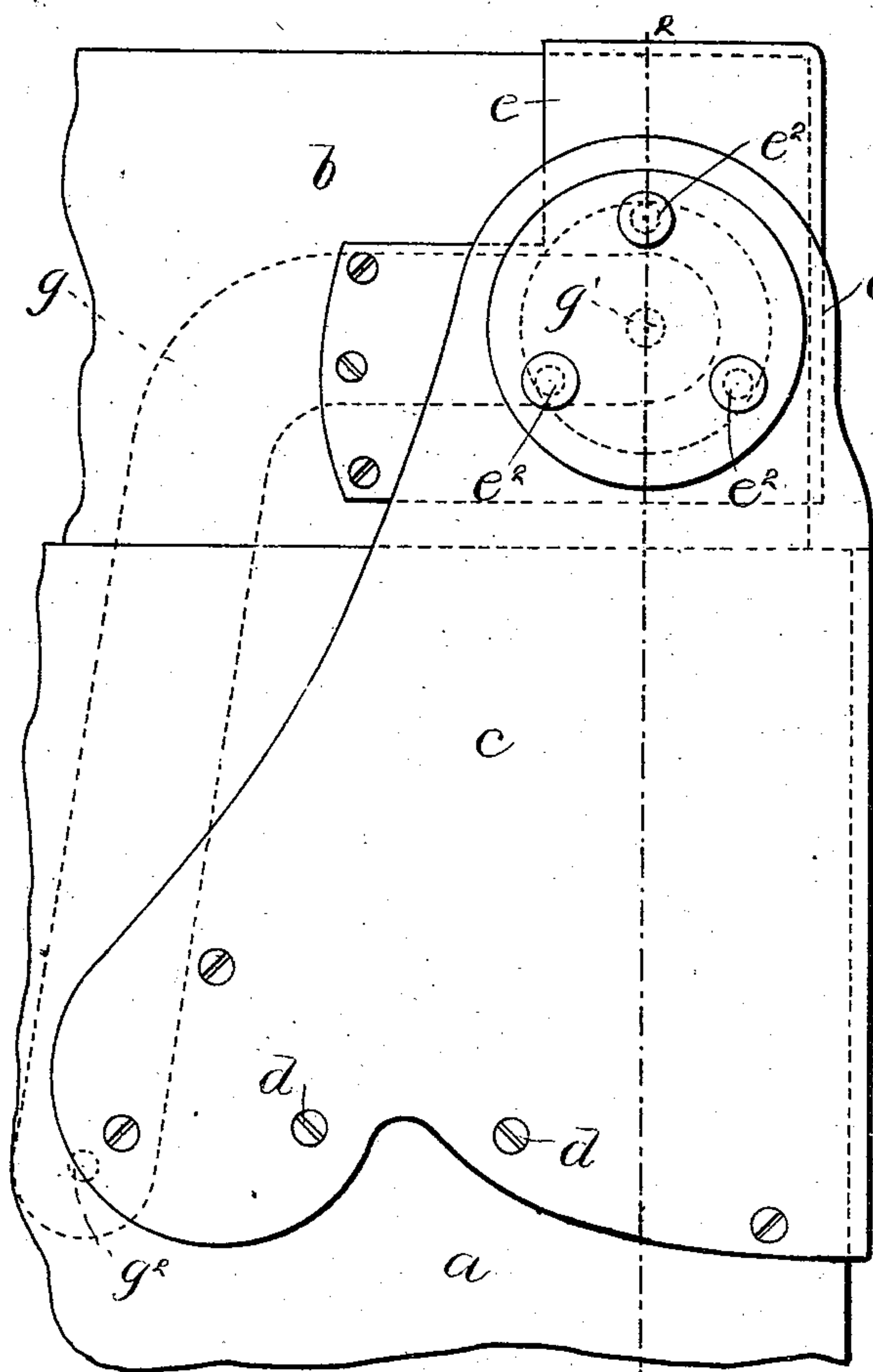


FIG. 1. *r*

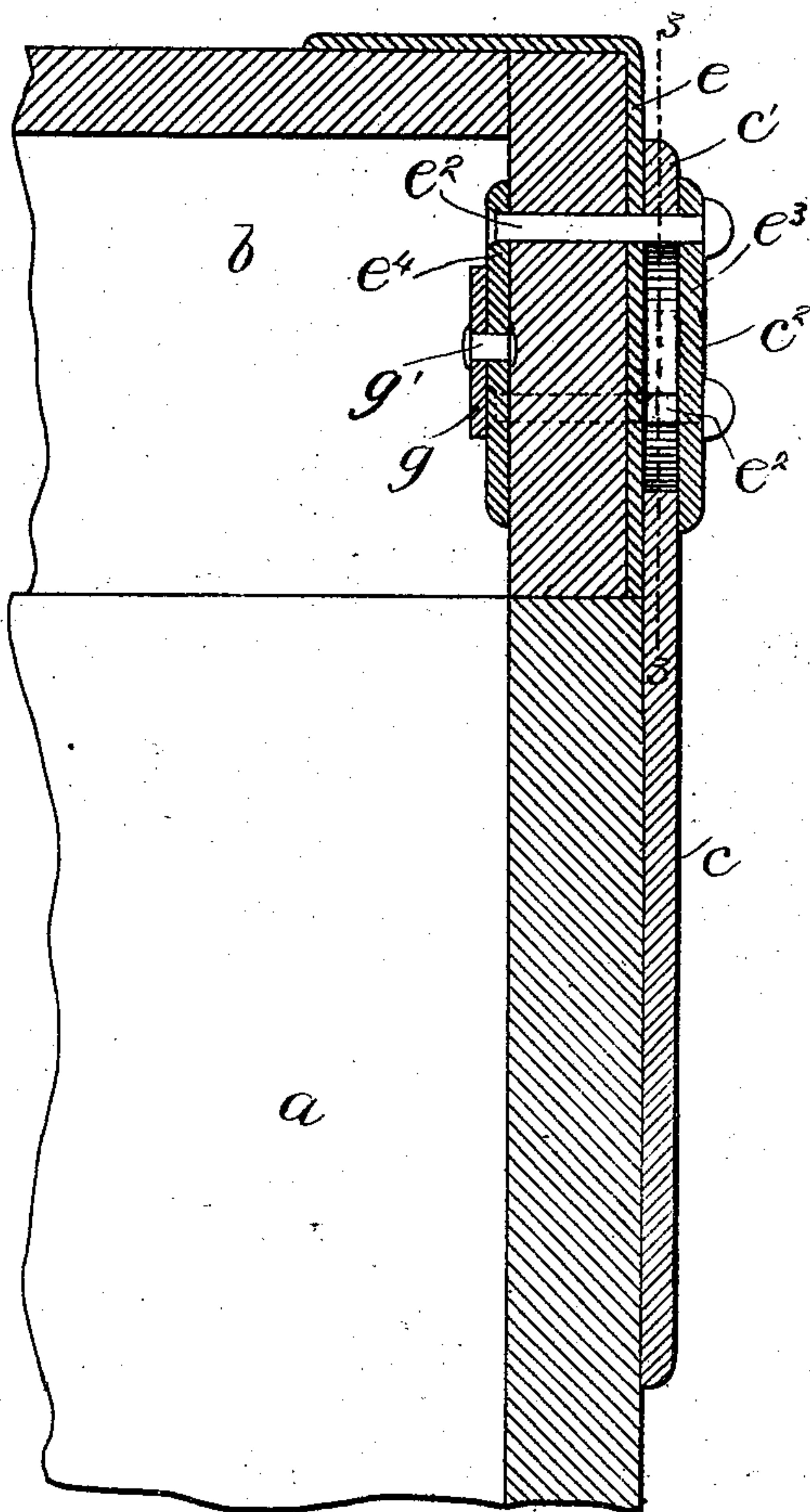


FIG. 2.

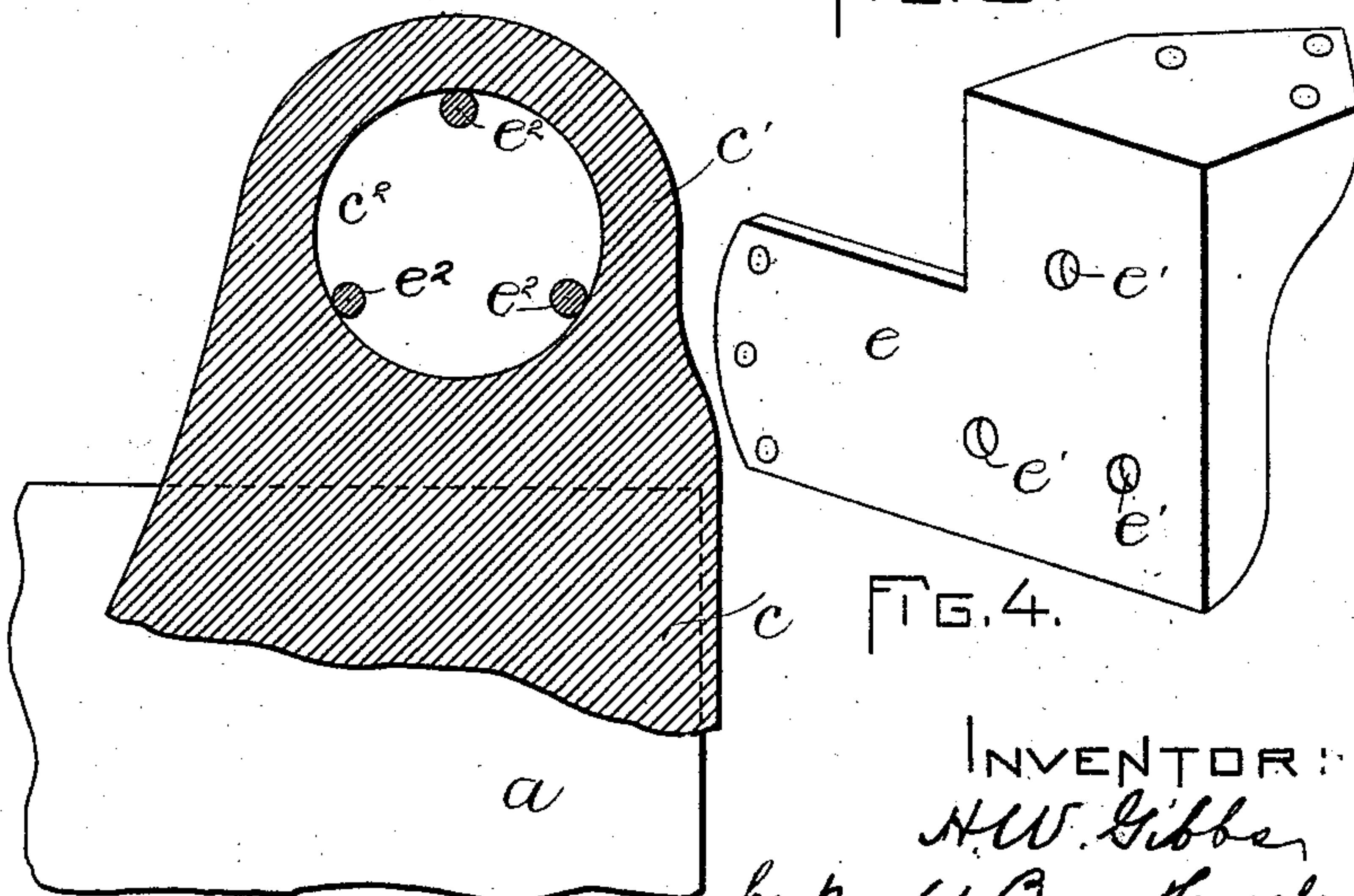


FIG. 4.

WITNESSES:
A. D. Harrison.
M. W. Jackson

FIG. 3.

INVENTOR:
H. W. Gibbs
by M. B. Brown & Co. Attys.

UNITED STATES PATENT OFFICE.

HENRY W. GIBBS, OF STERLING, ASSIGNOR OF ONE-HALF TO CHARLES E. KIRBY, OF FITCHBURG, MASSACHUSETTS.

TRUNK-HINGE.

SPECIFICATION forming part of Letters Patent No. 506,632, dated October 10, 1893.

Application filed July 7, 1893. Serial No. 479,824. (No model.)

To all whom it may concern:

Be it known that I, HENRY W. GIBBS, of Sterling, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Trunk-Hinges, of which the following is a specification.

This invention relates to hinges of that class of trunks known as wall-trunks, in which the cover is hinged to the body of the trunk at a point in advance of the back, so that, when the cover is raised, its top will not project behind the back of the body of the trunk.

The invention has for its object to provide a strong, durable and effective hinge of this class, and to this end it consists in the improved construction which I will now proceed to describe.

Of the accompanying drawings, forming part of this specification: Figure 1 represents an end elevation of a portion of a trunk and cover connected by my improved hinge, the cover being shown in its closed position. Fig. 2 represents a section on line 2—2 of Fig. 1. Fig. 3 represents a section on line 3—3 of Fig. 1. Fig. 4 represents a perspective view of the plate which forms a part of the hinge-member on the trunk-cover.

The same letters of reference indicate the same parts in all the figures.

In the drawings: *a* represents the body and *b* the cover of a wall-trunk.

My improved hinge, which connects the body *a* and cover *b*, is composed of two general parts or members, namely, first, a body-member composed of a plate *c*, formed to bear upon the body of the trunk, and attached thereto by fastening-devices *d*, and provided with an upwardly-projecting ear *c'*, said ear having an enlarged circular opening *c''*; and, secondly, the cover-member, which comprises a plate *e* formed to bear upon the end of the cover and provided with a series of orifices *e'*, the corresponding series of headed bolts *e''* which pass through said orifices *e'* and through the end of the trunk-cover, the orifices *e'* being arranged to hold the bolts so that they will bear simultaneously at different points against the margin of the opening *c''*, as shown in Fig. 3, and two washers *e'''* *e''''*, each perfo-

rated to receive the bolts *e''*, one of said washers being interposed between the heads of the bolts and the ear *c'*, while the other bears upon the inner side of the trunk-cover, and is engaged with the bolts by means of the upset ends of the latter, as shown in Fig. 2. It will be seen that the bolts *e''*, bearing at different points against the curved margin of the opening *c''* in the body-member of the hinge, enables the cover to swing freely, said bolts sliding on the curved margin of the opening *c''*. The bolts, and the means described for securing them to the cover, constitute a light, strong and durable cover-member of the hinge, said bolts being of wrought-iron, and therefore much less liable to break than a single cast-metal piece attached to the cover and adapted to turn in a socket in a member affixed to the body of the trunk.

The several parts constituting the hinge-members may be put upon the market independent of the trunk, and sold as trunk hardware, the bolts being, when put upon the market, of uniform diameter from end to end, instead of being upset at their inner ends as shown in Fig. 2. In applying the cover-member of the hinge to the cover, it will only be necessary to bore holes in the ends of the cover for the reception of the bolts, and then pass the bolts through the washers and through the holes in the cover, and upset the inner ends of the bolts; or, if desired, the bolts can be screw-threaded at their inner ends, and provided with nuts instead of being upset.

g represents a metal brace or stay, which is pivotally connected at *g'* to the inner washer *e'''*, and at *g''* to the body of the trunk.

I claim—

A trunk-hinge, comprising in its construction a member composed of a plate *c*, formed to bear on the body of a trunk, and having an upwardly-projecting ear *c'* provided with a circular opening *c''*; and another member, composed of a plate *e* formed to bear on the cover of a trunk and provided with a series of orifices *e'*, a corresponding series of headed bolts *e''* adapted to pass through said orifices and through the opening *c''*, said orifices being arranged so that the bolts inserted

therein will bear simultaneously against the circular margin of the said opening, and two plates or washers perforated to receive said bolts, all being adapted for attachment to a
5 trunk and for conjoint operation; as set forth.

In testimony whereof I have signed my name to this specification, in the presence of

two subscribing witnesses, this 27th day of June, A. D. 1893.

HENRY W. GIBBS.

Witnesses:

STEDMAN W. PIPER,
E. H. COOLIDGE.