

A. M. DARRELL.

Trunk-Hinges.

No. 136,040.

Patented Feb. 18, 1873.

Fig. 1.

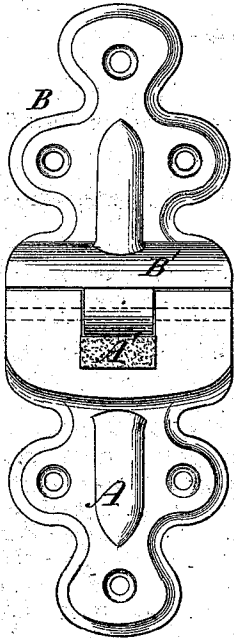


Fig. 2.

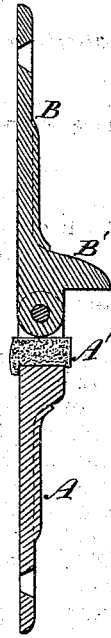
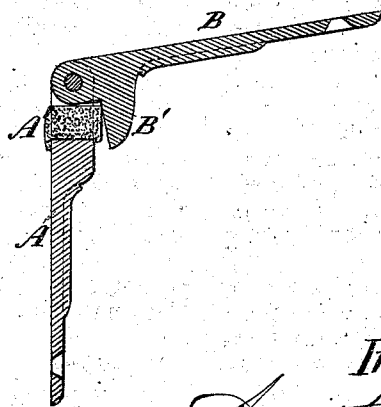


Fig. 3.



Witnesses.
A. Ruppert.
J. W. Mistor.

Inventor.
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UNITED STATES PATENT OFFICE.

ARMISTEAD M. DARRELL, OF WASHINGTON, D. C., ASSIGNOR OF ONE-HALF
HIS RIGHT TO THOMAS NORFLEET, OF SAME PLACE.

IMPROVEMENT IN TRUNK-HINGES.

Specification forming part of Letters Patent No. 136,040, dated February 18, 1873.

To all whom it may concern:

Be it known that I, ARMISTEAD M. DARRELL, of Washington, in the District of Columbia, have invented a certain Improvement in Hinges, of which the following is a specification:

The nature of my invention, which relates more especially to strap-hinges used on trunks and the like, consists in providing the leaf which is to be secured to the lid with a laterally-projecting flange or stop, so located that when the lid has been turned up to a point where its own gravity would naturally have a tendency to turn it back still further, it, the stop, shall bring up against an elastic pad in the form of a rubber cushion upon the other leaf of the hinge inserted directly beneath the pintle.

The special object in view is to dispense with the straps ordinarily fastened upon the inside of the body and lid of trunks to sustain the lid when open.

This method of "tying" the lid is objectionable, the straps are liable to be torn from their fastenings or torn into, and they must necessarily be attached at such points to the body and lid that the latter when opened and pulling upon the straps has considerable leverage over the former, and, if loaded to any extent, is apt to upset the trunk. Both these objections are overcome by supporting the opened lid by "bracing" in the manner above briefly stated.

Figure 1 is an elevation of my improved hinge. Fig. 2 is a vertical section of the same. Fig. 3 is a similar section thereof, illustrating the action of the stop and cushion when the movable leaf is turned back.

The same letters of reference are employed

in all the figures in the designation of identical parts.

A refers to the stationary, and B to the movable, leaf. Their knuckles are interlocked in the usual manner, and they are connected together by the ordinary pintle passing through the interlocked knuckles. Upon the back of the leaf B a transverse rib or outwardly-projecting flange, B', is formed; and to the leaf A an elastic pad in the shape of an India-rubber cushion, A', is secured, in any preferred manner, so as to project slightly beyond the back of the leaf. The flange B' and cushion A' are so disposed upon their respective leaves and with relation to each other, as that when the movable leaf B is turned from the position shown in Fig. 2 to the position indicated in Fig. 3—that is, through an arc of about ninety degrees—the flange will bring up against the cushion, and stop the further movement of the leaf B. The end of the cushion and side of the flange or stop are about parallel to each other when they meet, so that they will have a full square bearing against each other.

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

In a hinge for trunks or the like uses, the stop B' upon one leaf, in combination with the rubber cushion A' upon the other leaf inserted directly beneath the pintle, substantially as and for the purpose specified.

In testimony whereof I have hereunto signed my name this 30th day of December, A. D. 1872, in presence of two subscribing witnesses.

A. M. DARRELL.

Witnesses:

WM. M. LYNCH,
JOS. R. EDSON.