L. PATTERSON.

Hinge.

No. 202,958. Patented April 30, 1878.

Fig. 1

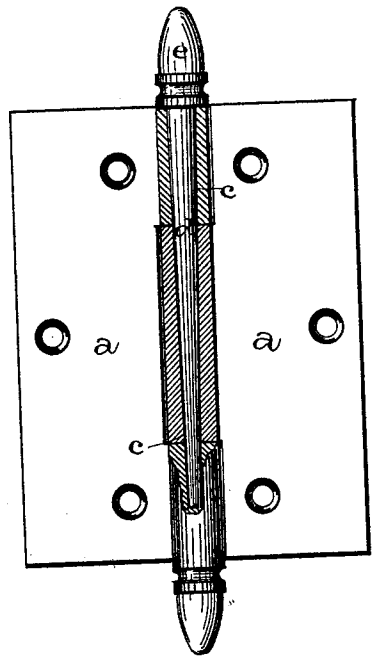


Fig. 2.



WITNESSES.

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per

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UNITED STATES PATENT OFFICE.

LEMUEL PATTERSON, OF PARKER CITY, PENNSYLVANIA, ASSIGNOR OF ONE-THIRD HIS RIGHT TO SAMUEL H. CROYLE, OF SAME PLACE.

IMPROVEMENT IN HINGES.

Specification forming part of Letters Patent No. **202,958**, dated April 30, 1878; application filed February 20, 1878.

To all whom it may concern:

Be it known that I, LEMUEL PATTERSON, of Parker City, in the county of Armstrong and State of Pennsylvania, have invented certain new and useful Improvements in Hinges; and I 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in hinges; and it consists in making the pintle and the socket to receive it tapering from top to bottom, so that the pintle can be readily withdrawn, as will be hereinafter more fully described and claimed.

The accompanying drawing represents my invention.

a represents an ordinary butt-hinge, which has the socket *c* through each of its leaves made tapering from top to bottom. The pintle *d*, made preferably with an enlarged head, *e*, is also made tapering from the bottom of the head to the lower end, so as to snugly fit its socket.

By thus making the pintle tapering it is more readily withdrawn from its socket whenever desired. Being thickest and strongest at its upper end, the head is not so likely to be broken off, it is not so likely to stick in the socket, thus causing trouble in removing the door, and it is not liable to get bent out of shape, and thus made difficult to be knocked out.

Where the pintle is made straight, even though it is intended to be made removable, it soon rusts, or sticks in some other manner, to such an extent that it cannot be removed by any ordinary means, and any attempt to remove it is liable to break off the head.

By making it tapering, however, even if it should stick slightly, a light rap on its head will be sufficient to instantly release it.

Having thus described my invention, I claim –

In a hinge having a tapering socket, the pintle *d*, made tapering from the head to the point, substantially as shown.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of January, 1878.

LEMUEL PATTERSON.

Witnesses:

P. A. STOCKDALE,

W. A. MYERS.