

P. P. CHILD.

Improvement in Hinges.

No. 132,053.

Patented Oct. 8, 1872.

Fig. 1.

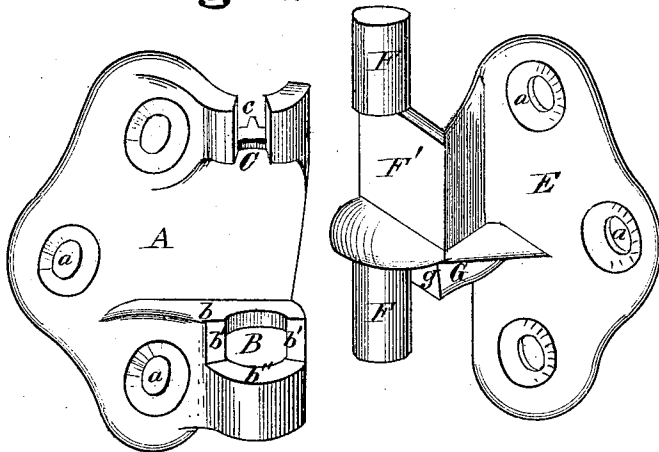
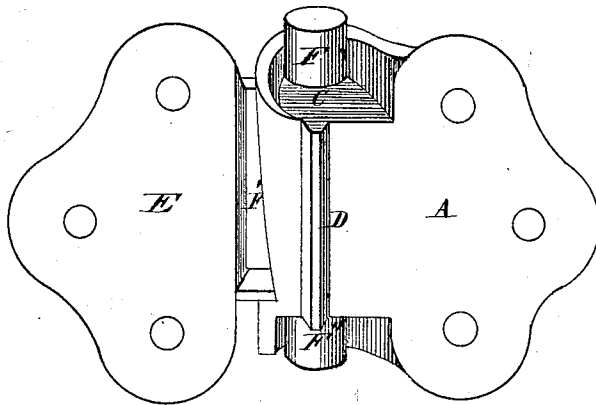


Fig. 2.



ATTEST,
Geo. L. Ewin
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By Knight Bros. Atty.

UNITED STATES PATENT OFFICE.

PASCAL P. CHILD, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN HINGES.

Specification forming part of Letters Patent No. 132,053, dated October 8, 1872.

To all whom it may concern:

Be it known that I, PASCAL P. CHILD, of the city and county of St. Louis, and State of Missouri, have invented a certain Improved Hinge, of which the following is a specification:

My invention relates to a detachable hinge in which the pivot has bearings at both top and bottom; and my improvement consists in slotting the upper socket and flattening the central part of the pivot, so as to allow this part to be passed into the slot, when, by a descent of the shutter, the ends of the pivot are dropped into their sockets, which sockets, by their construction, are cast without a core.

Figure 1 is a perspective view of the hinge detached, but the parts in position for attachment. Fig. 2 is a rear perspective view of the parts attached.

A is the socket part of the hinge, having screw-holes *a*. B is the lower socket, which has an upper step, *b*, and a lower step, *b''*, between which are vertical or somewhat inclined faces *b'*. C is the upper socket, which is slotted through upon its outer side at *c*. D is a steady rib, which enters a recess in the stile of the window-frame to hold the hinge to place. E is the pivot part of the hinge. The pivot has cylindrical portions F F'' at top and bottom, and a flattened portion, F', in the middle. G is a shoulder, which has bearing on the lower step *b''* when the shutter is open back against the side of the house, but which

rides upon the step *b* when the shutter is in any other position, the face *g* resting against the faces *b'* when the shutter is wide open.

In connecting together the two parts of the hinge the flat part F' is passed into the slot *c*, and when the ends F F'' of the pivot are in line with the sockets the pivot is dropped vertically into place, as seen in Fig. 2.

Shutters supported by my hinges can be very readily removed from the stiles when standing straight out from the house, but cannot be removed when in any other position, so that there is no danger of the shutter being thrown off by accident when raising it to unlock it from its open position. The shutter is easily re-hung, as the flattened portions of the pivots act as guides in the slot *c*.

It will be seen by my construction that the leaf A can be cast without a core for the sockets C B.

I claim as my invention—

The pivot-leaf E, consisting of the cylindrical portions F F', flattened portion F', shoulder G, and face *g*, in combination with the leaf A, provided with the sockets C B cast without a core—the former, C, slotted—steps *b b''*, and inclined faces *b'*, all constructed, arranged, and operated as set forth.

PASCAL P. CHILD.

Witnesses:

SAML. KNIGHT,
CHS. F. COONCE.