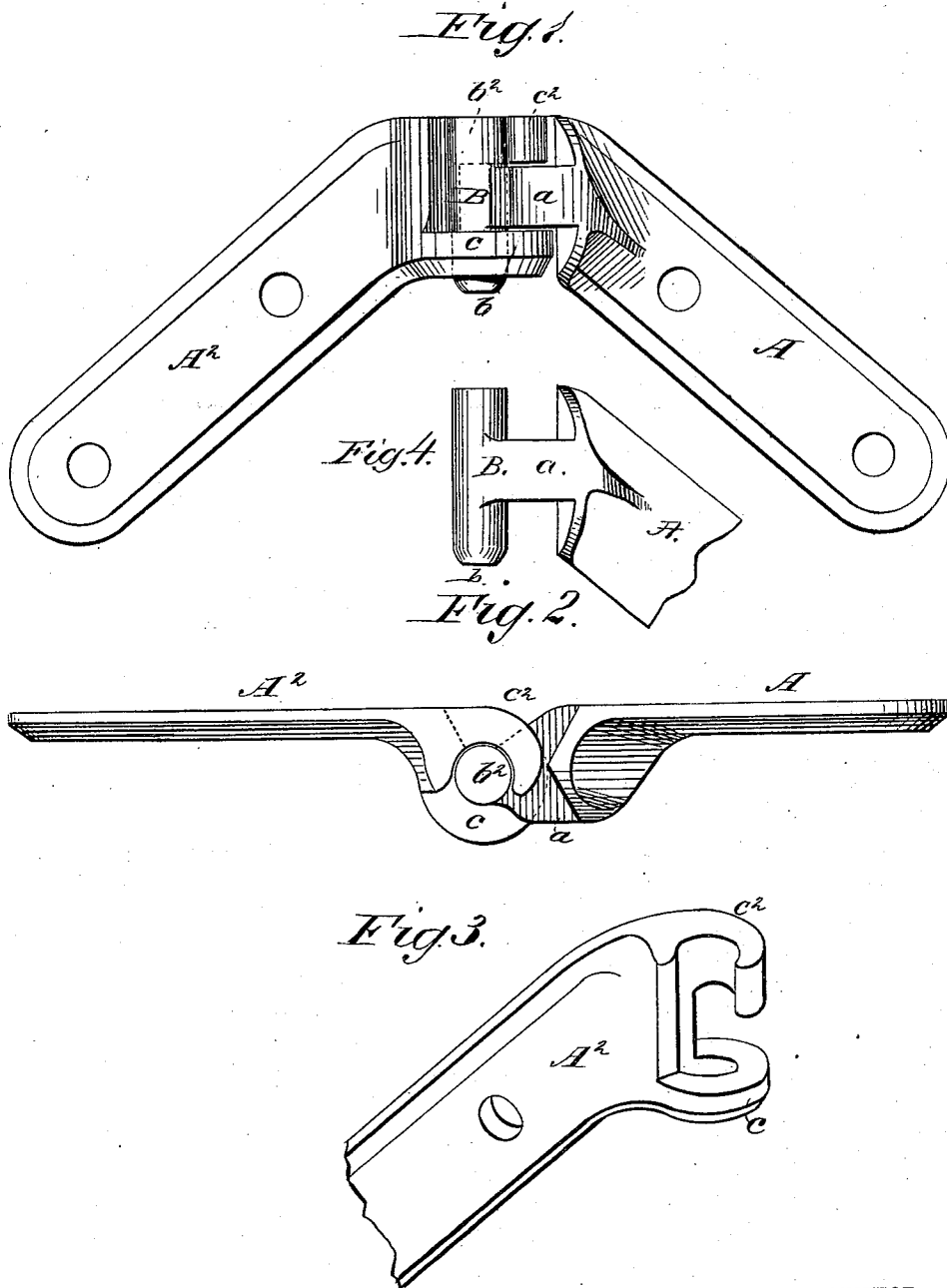


(No Model.)

P. A. PEER.  
Hinge.

No. 230,491.

Patented July 27, 1880.



WITNESSES:

*Francis McIndle.*  
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# UNITED STATES PATENT OFFICE.

PERRY A. PEER, OF COMSTOCK, MICHIGAN.

## HINGE.

SPECIFICATION forming part of Letters Patent No. 230,491, dated July 27, 1880.

Application filed April 3, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, PERRY A. PEER, of Comstock, in the county of Kalamazoo and State of Michigan, have invented a new and useful Improvement in Hinges, of which the following is a specification.

The invention consists in combining, constructing, and arranging the several parts of each leaf, as hereinafter described.

In the accompanying drawings, Figure 1 is a top view of my improvement. Fig. 2 is an end front view of the same. Fig. 3 is a perspective view of one of the leaves of the hinge, and Fig. 4 of the other.

Similar letters of reference indicate corresponding parts.

The male leaf A has the pintle or hinge-pivot B extending both above and below a shank or tongue, *a*, which forms a continuation of the leaf A, so that said pivot has two arms, *b* *b*<sup>2</sup>, at right angles to said tongue *a*.

The female leaf A<sup>2</sup> has the socket provided with two bearing-surfaces for the engagement of the hinge-pivot. One of the bearing-surfaces is a complete ring or eye, *c*, and the other is a mutilated ring or hook, *c*<sup>2</sup>, formed by cutting from said ring a piece equal to half the diameter of the pivot B.

To connect the two leaves of the hinge together, they are held with their faces at about a right angle with relation to each other. The arm *b* is then inserted in the ring *c*, and the arm *b*<sup>2</sup> in the mutilated ring or hook *c*<sup>2</sup>, and the leaves are then moved in a direction away from each other, so as to cause the shank or tongue *a* to lie in the space between the ring

*c* and hook *c*<sup>2</sup>, and thus keep the two leaves properly coupled.

On referring to Fig. 1 of the drawings, it will be observed that the leaves A and A<sup>2</sup> are bent at an obtuse angle with relation to their hinge-joints, so that when coupled the hinge forms two sides of a triangle.

By this construction the hinge is peculiarly adapted to a V-shaped harrow.

One of the hinges may be applied to each of the bars of the harrow-frame.

When it is desired to uncouple the two sections of the harrow, one of the sections is allowed to lie flat on the ground and the other is raised to about a vertical position, and it may then be readily detached by sliding the pivot in the socket until the arms *b* are clear of the rings *c*, and then lifting the section so as to withdraw the pivots entirely clear of the sockets.

I am aware that a slot-eyed removable hinge provided with double inclines and a removable cap is not new in lock-hinges; but

What I do claim as new, and of my invention, is—

The male leaf A, having continuation *a* and pintle B, provided with arms *b* *b*<sup>2</sup>, at right angles to said continuation, in combination with a female leaf, A<sup>2</sup>, having the eye *c* and hook *c*<sup>2</sup>, said leaves being bent at an obtuse angle to the joint to adapt the hinge for a harrow, as described.

PERRY A. PEER.

Witnesses:

G. M. PEER,  
W. H. BEACH.