





# UNITED STATES PATENT OFFICE.

JOHN MURRY PEARSON, OF VALLEY JUNCTION, IOWA.

## HINGE.

SPECIFICATION forming part of Letters Patent No. 683,222, dated September 24, 1901.

Application filed June 18, 1901. Serial No. 65,007. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN MURRY PEARSON, a citizen of the United States, residing at Valley Junction, in the county of Polk and State of Iowa, have invented a new and useful Reverse-Motion Hinge, of which the following is a specification.

My object is to provide an improved hinge specially adapted for hanging gates to posts in such a manner that the gates can be swung in reverse ways, so that the gates may extend parallel with either side of the fence and not project partly in the gateway or road to narrow the passage or to be liable to contact with a wagon when passing through the gate.

A further object is to prevent the gate from being lifted and removed from the gate-post to which parts of the hinges are fixed, as frequently occurs when separable hinge members are used for hanging a gate.

My invention consists in the construction and combination of parts, as hereinafter set forth, pointed out in my claim, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a hinge member adapted to be fixed against the flat face of a gate-post or door-jamb. Fig. 2 is a perspective view of a mating hinge member adapted to be fixed to the flat face of the upright of a gate or the edge of a door and to be pivotally connected with the other member and extended in alinement therewith from either end thereof. Fig. 3 is a face view of the complete hinge, showing how the two mating members are pivotally connected by means of metal straps and also showing the members in alinement with each as required to retain a gate open and extended at right angles from a roadway. Fig. 4 is a top view of gate-posts and portions of a fence and a hinged gate in a closed position. Dotted lines indicate the positions the gate can be placed and retained relative to a gate-post to which it is hinged and the panel of fence connected with the post to which the gate is hinged.

The letter A designates the flat and main portion of the hinge member, adapted to be fixed to a gate or door, and B is a right-angled extension at its base. From one end portion of the extension projects a lug C in a plane above the top face of the part B, and on

top of the lug is a pivot D. At the other end of the edge portion of the part B is a lug C<sup>2</sup>, that projects in a plane below the part B and has a pivot D<sup>2</sup> projecting at right angles from its bottom face.

H is the main portion of the hinge member, adapted to be fixed to the edge of a door-jamb or gate-post, as shown in Fig. 4. It has a right-angled extension J at its bottom and a lug K at one end portion of said extension, projected in a plane above the extension, and is provided with a pivot L on its top.

J<sup>2</sup> is a lug extended from the other end portion of the part J in a plane below its bottom face and has a pivot L<sup>2</sup> projecting downward therefrom. A metal strap M is pivotally connected at one end with the pivot D, projecting upward from the lug C on the part B of the member A, and also pivotally connected with the pivot L, that projects upward from the lug K, extended from the hinge member composed of the parts J and H. A second metal strap M<sup>2</sup> is pivotally connected with the pivot D<sup>2</sup>, projecting downward from the lug C<sup>2</sup>, extended from the hinge member A B, and the pivot L<sup>2</sup>, projecting downward from the lug K<sup>2</sup> of the hinge member H J. The metal straps contact with washers *m*, placed on the pivots to reduce friction, and keys *n* are extended through perforations in the pivots to retain the straps on the pivots. The two members of the hinge are thus securely connected in such a manner that the one member can be swung in reverse ways relative to the other member and a gate-post, as indicated by dotted lines in Fig. 4, or retained in parallel position in front of the member fixed to the gate-post, as shown, when the gate is in a closed position.

Having thus set forth the construction, application, and operation of my invention, its practical utility will be readily understood by persons familiar with the art to which it pertains, and what I claim as new, and desire to secure by Letters Patent, is—

A reverse-motion hinge composed of two members and each member consisting of a flat main portion adapted to be fixed to a gate or post and having a right-angled extension at its lower edge, a lug at each end of said extension and one of said lugs projected in a plane above the extension and the

other in a plane below the extension and one  
of the lugs provided with a pivot projecting  
upward and the other lug provided with a  
pivot projected downward, a straight metal  
5 strap connected at its ends with the pivots  
projecting upward and a straight metal strap  
connected with the pivots projecting down-

ward as shown and described for the purposes  
stated.

JOHN MURRY PEARSON.

Witnesses:

W. E. ANDERSON,  
HERMAN RAAZ.