(No Model.)

F. WHEELER.

HINGE.

No. 344,149. Patented June 22, 1886.

Fig. 1.

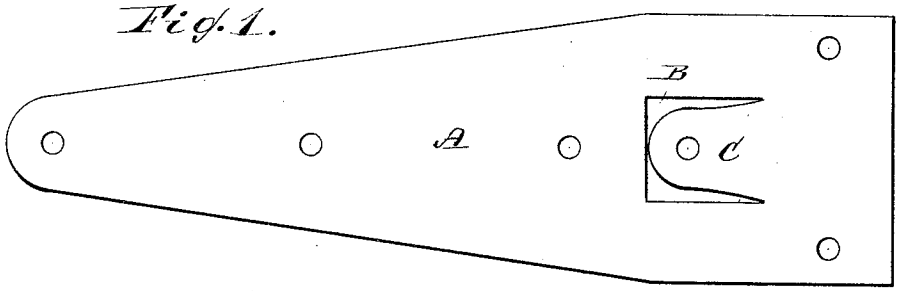
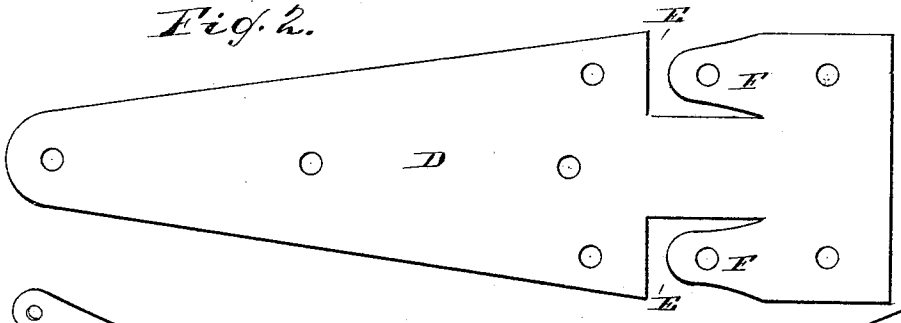


Fig. 2.



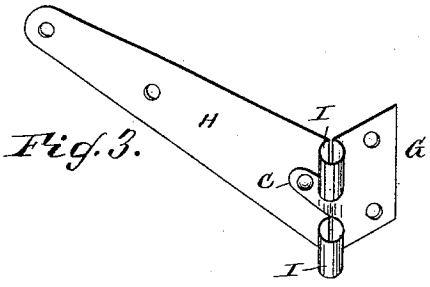


Fig. 3.

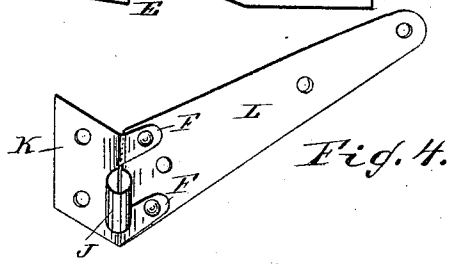


Fig. 4.

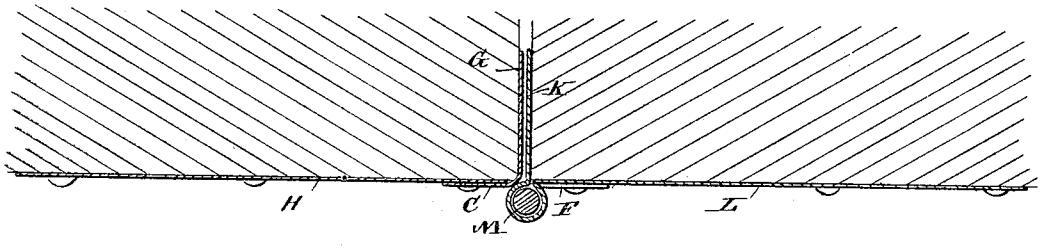


Fig. 5.

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UNITED STATES PATENT OFFICE.

FERDINAND WHEELER, OF PINE GROVE, PENNSYLVANIA.

HINGE.

SPECIFICATION forming part of Letters Patent No. 344,149, dated June 22, 1886.

Application filed December 15, 1885. Serial No. 185,726. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND WHEELER, of Pine Grove, in the county of Schuylkill and State of Pennsylvania, have invented a new and Improved Hinge, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved hinge, which is simple in construction and strong and durable.

The invention consists in the construction and combination of parts and details, as will be fully described and set forth hereinafter, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a face view of one of the blanks of my improved hinge. Fig. 2 is a face view of the other blank. Fig. 3 is a perspective view of one part of the hinge. Fig. 4 is a perspective view of the other part. Fig. 5 is a longitudinal sectional view of the hinge, showing it applied.

The sheet-metal blank A is provided with the U-shaped slot B, forming the tongue C, and the blank D is provided with the two L-shaped recesses E in the side edges, to form the two tongues F at the side edges of the said blank. The blank A is then bent at right angles at the said slot B, to form the two eyes or loops I and the short wing G at right angles to the long wing H, the tongue C resting on the long wing H, on which it is riveted by means of a rivet passed through apertures in the tongue and in the wing H. The blank D is bent at the recesses E, to form the loop or eye J and the short wing K at right angles to the long wing L, the two tongues F resting on the long wing L, to which they are riveted. Suitable apertures for screws or nails are provided in the long and short wings of the two sections. The loop or eye J is then passed in between the two eyes or loops I of the other section, and a pin, M, is passed through the said eyes or loops, and the hinge is complete and ready for use. The tongues resting on the long wings of the sections and riveted to the same not only strengthen the sections materially and stiffen them at the bends or angles, where they are subjected to the greatest strains, but by providing said tongues a waste of material in cutting or punching the blanks is avoided, as only very small portions of the blanks are cut out, and almost the entire material of the original blanks is utilized in the sections.

Nails can be used for fastening the hinge as well as screws, as the same are not subjected to any strains in the direction of their length, and thus are not apt to be pulled out by the hinge. As the sections have the two wings at right angles to each other, one wing can be fastened on the face of the door or shutter and the other on the edge, and thus the hinge is held very firmly and securely.

The hinges can be made in different sizes and of any desired thickness of sheet metal, and, if desired, the wings may be made of equal length, and may be either plain or fancy.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. A hinge formed of two sections, both being bent at right angles, and one being provided with two eyes and a tongue between them and the other with a single eye and a tongue at each side of the same, substantially as herein shown and described.

2. The sheet-metal hinge-blank A, provided with the U-shaped slot B, forming the tongue C, substantially as herein shown and described.

3. The sheet-metal hinge blank D, provided with the two recesses E in the side edges, and forming the two tongues F, substantially as herein shown and described.

FERDINAND WHEELER.

Witnesses:
EDWARD M. CLARK,
EDGAR TATE.