

(No Model.)

C. J. ERICSON.
GATE HINGE.

No. 475,271.

Patented May 17, 1892.

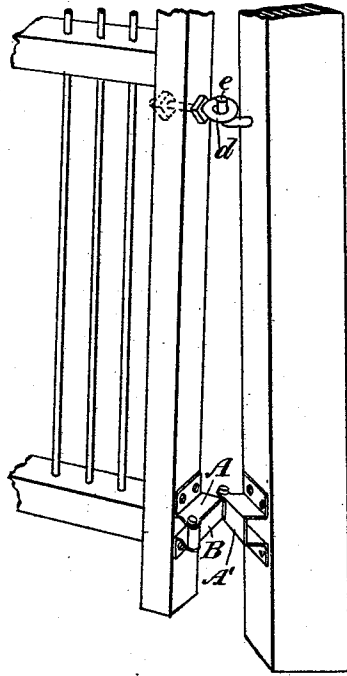


Fig. 1.

Fig. 2.

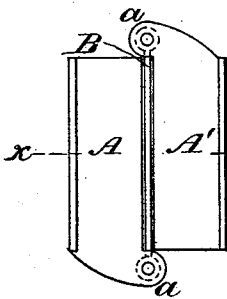


Fig. 3.

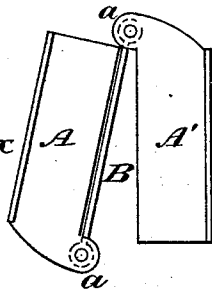


Fig. 4.

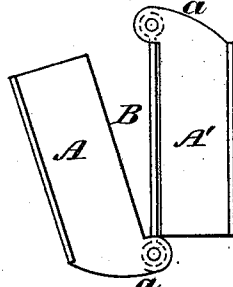


Fig. 5.

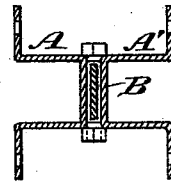


Fig. 6.

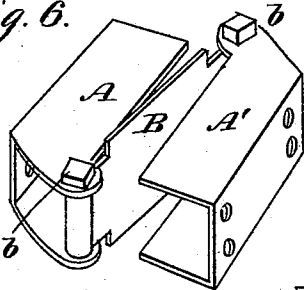


Fig. 8.

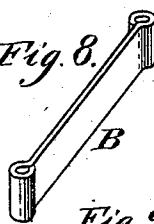


Fig. 7.

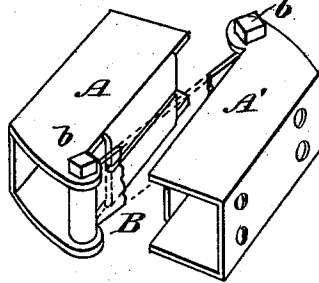
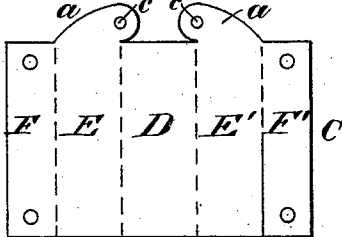


Fig. 9.



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UNITED STATES PATENT OFFICE.

CHARLES J. ERICSON, OF SALT LAKE CITY, UTAH TERRITORY.

GATE-HINGE.

SPECIFICATION forming part of Letters Patent No. 475,271, dated May 17, 1892.

Application filed July 30, 1891. Serial No. 401,118. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. ERICSON, of Salt Lake City, in the county of Salt Lake and Territory of Utah, have invented a new and

Improved Gate-Hinge, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a perspective view of a portion of a gate, showing the application of my improved hinge. Fig. 2 is a plan view showing the hinge closed. Fig. 3 is a plan view showing the hinge partly open in one direction. Fig. 4 is a plan view showing the hinge partly open in the opposite direction. Fig. 5 is a transverse section taken on line *xx* in Fig. 2. Fig. 6 is a perspective view of a modified form of the hinge. Fig. 7 is a perspective view with the link broken away. Fig. 8 is a perspective view of the link, and Fig. 9 is a side elevation of the blank from which the fixed part of the hinge is formed.

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to construct a double-acting hinge for gates from sheet metal.

The invention consists in the construction and arrangement of parts hereinafter described and claimed.

The hinge is formed of two similar rectangular tubes *A A'*, having at one end, upon opposite sides, perforated ears *a*, and a link *B*, having eyes upon opposite ends fitted to the spaces between the ears and held in position by rivets or bolts *b*. The parts *A A'* of the hinge are formed of a sheet-metal blank *C*, (shown in Fig. 9) the said blank being divided into five parts—the central part *D*, the lateral parts *E E'*, and the perforated end portions *F F'*. The parts *E E'* are provided with ears *a*, which are oppositely arranged with respect to each other and provided with apertures *c*, which are opposite the division-lines between the part *D* and the parts *E E'*.

The blank *C* is bent in either of two different ways. According to one plan the lateral parts *E E'* are bent at right angles to the part *D* and parallel to each other, and the extremities *F F'* are bent outwardly, as shown in Figs. 1 to 5, inclusive, thus forming feet for attaching the hinge to the post and to the gate. According to the other plan the ends *F F'* are bent inwardly, as shown in Figs. 6 and 7.

The two parts of the hinge are applied, respectively, to the lower part of the gate-post and to the stile of the gate, as shown in Fig. 1, and the upper part of the gate is provided with an eye *d*, which turns on an angled hook *e*, projecting from the post.

While I prefer to make the hinge of sheet metal, I do not confine myself to this construction, as it may be made of cast or malleable iron or brass or bronze.

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

1. A hinge formed of two rectangular tubular parts *A A'*, formed alike and oppositely arranged with respect to each other and each provided at one end with a pair of perforated ears *a*, and a link *B*, pivoted between the ears, substantially as specified.

2. A hinge-blank consisting of a flat plate formed on its upper edge at opposite sides of its center with two apertured ears *a a*, projecting toward each other in the same plane with the plate, substantially as set forth.

3. A hinge consisting of two similar but oppositely-arranged parts *A A'*, each formed of the blank *C*, bent twice at right angles, with its ends bent outwardly to form feet for attachment to the gate and gate-post, the link *B*, and pivotal rivets or bolts *b*, substantially as specified.

CHARLES J. ERICSON.

Witnesses:

JAMES LOWE,
ARTHUR J. LOWE.