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JOHN D. BROWNE.

Improvement in Hinges.

No. 122,559.

Patented Jan. 9, 1872.

Fig. 1.

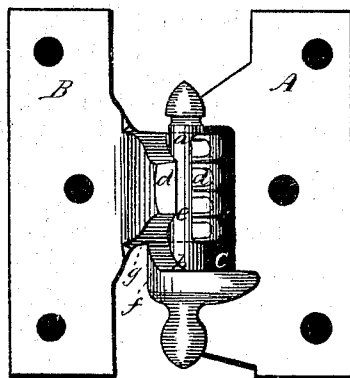


Fig. 2. Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN DAVID BROWNE, OF MADISONVILLE, OHIO.

IMPROVEMENT IN HINGES.

Specification forming part of Letters Patent No. 122,559, dated January 9, 1872.

SPECIFICATION.

I, JOHN DAVID BROWNE, of Madisonville, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement on the Hinge for which Letters Patent No. 106,315 were granted August 16, 1870.

The nature of the improvement consists in making inclines on the bearings of the hinge to obtain a gravitating and rising motion.

The following is a description of the same, reference being had to the accompanying drawing making part of this specification.

Figure 1 is a perspective view of the hinge. Figs. 2 and 3 are transverse sections.

A is one plate of the hinge, having the knuckle *a* set centrally, to be used right or left, provided with the bearing *b*. Above the bearing *b*, an opening, *c*, is made in the plate A of sufficient size to admit the socket-knuckle *d* on plate B to pass through and work freely. B is the other plate of the hinge, having a hollow or socket-knuckle, *d*, to fit on the knuckle

a of plate A. The socket *d* is provided with a slot, *e*, of sufficient width to pass over the thickness of the plate A and rest on the bearing *b*, so that it can be taken off and on when the slot *e* is in line with the plate A, and by reversing can be used for either right or left side. *f f* are inclines formed on the bearing *b* of the knuckle *a* on plate A. *g g* are inclines on the socket-knuckle *d* to correspond with the inclines *f f*.

Inclines on the bearings of hinges are well known; as such I make no claim.

I claim as my invention—

The inclines *f f g g*, in combination with the plates A B, the central knuckle *a* with bearing *b*, the opening *c*, and slotted knuckle *d e*, substantially as described and set forth.

JOHN DAVID BROWNE.

Witnesses:

LOUIS W. CLASON,
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(24)