(No Model.)

J. A. LUDLOW.

HINGE.

No. 368,539. Patented Aug. 16, 1887.

Fig. 1.

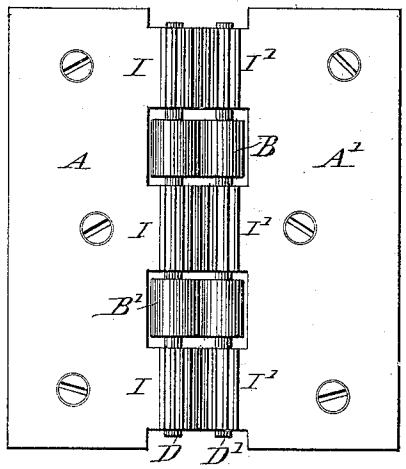


Fig. 2.

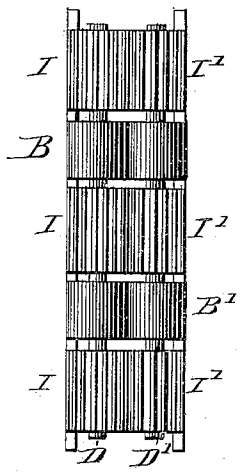


Fig. 3

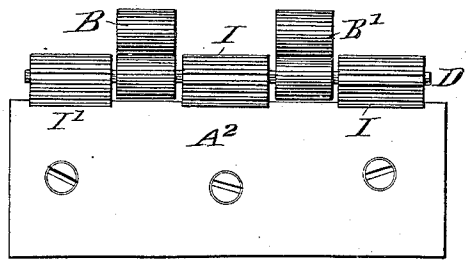
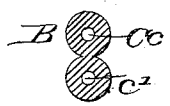


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOSIAH A. LUDLOW, OF PATERSON, NEW JERSEY, ASSIGNOR OF ONE-HALF TO JARED T. SEELEY, OF SAME PLACE.

HINGE.

SPECIFICATION forming part of Letters Patent No. 368,539, dated August 16, 1887.

Application filed March 26, 1886. Serial No. 196,670. (No model.)

To all whom it may concern:

Be it known that I, JOSIAH A. LUDLOW, of the city of Paterson, in the county of Passaic and State of New Jersey, have invented a new and useful Improvement in Hinges, of which the following is a specification.

The object of my invention is to provide a hinge for general use on doors, and especially in fine cabinet-work, which will not project beyond the wood-work, but be flush with the same, thus adding to the appearance of the work, and at the same time to attain cheapness and simplicity of construction.

The invention consists of a hinge each of the attaching-leaves of which has two or more pivot-eyes, the external surfaces of which are fluted, corrugated, grooved, or ribbed, and the pivot-eyes on one leaf being directly opposite to the pivot eyes on the other leaf of the hinge they mutually bind or grip each other cog-fashion. Two pivot-pins are required and one or more connecting-links provided with two pivot-eyes. The two pintles or pivot-pins are passed through the pivot-eyes in the leaves of the hinge and through the eyes in the connecting link or links, and are secured therein by riveting or otherwise, so as to allow the leaves of the hinge to work. The pivot-eyes do not project beyond the leaf of the hinge, but are of an even thickness, and whether open or shut the hinge is flush.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a view of the hinge when open. Fig. 2 represents the hinge when closed, as it appears when flush with the wood-work. Fig. 4 shows a cross-section of the connecting-link, provided with two pivot-eyes to receive the two pintles. Fig. 3 represents the detached parts of the hinge and the method of connecting the leaves of the hinge by means of the connecting-links and pintles.

In the drawings, A A′ are the attaching-leaves, having pivot-eyes I I′, which are grooved vertically, fluted, or ribbed, so as to engage cog-fashion with the pivot-eyes on the opposite leaf of hinge.

B B′ are the connecting-links which hold the leaves of the hinge together. They are provided with the pivot-eyes C C′ to receive the pivot-pins D D′.

The connecting-links B B′ fit snugly to the attaching-leaves in the spaces between the pivot-eyes on each leaf of the hinge, and the pivot-pins, passing through the pivot-eyes in the leaves and through the pivot-eyes in the connecting link or links, hold the hinge together.

The leaves of the hinge may be provided with two or more pivot-eyes, and one or more connecting-links, as above described, may be used.

The exterior of the eyes I I′ may be vertically grooved or fluted all the way around or not, as desired, and may be made round, or the side secured to the wood may be square and flush.

With this description of my invention, what I claim is—

A non-projecting hinge the leaves of which are provided with two or more pivot-eyes, the external surfaces of which eyes are vertically ribbed or fluted, so that the eyes on one leaf will meet and mutually engage and grip the corresponding eyes on the opposite leaf in cog-fashion, and one or more connecting-links, each provided with two pivot-eyes, which fit snugly in the spaces between the pivot-eyes on the leaves of the hinge, the whole being held together by two pivot-pins passing through the eyes in the leaves and connecting-links and secured therein by riveting or otherwise, so as to allow the hinge-leaves to work freely, substantially as shown, and for the purpose specified.

JOSIAH A. LUDLOW.

Witnesses:
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