

R. C. PLEINS.
HINGE.
APPLICATION FILED SEPT. 27, 1911.

1,029,629.

Patented June 18, 1912.

Fig. 1

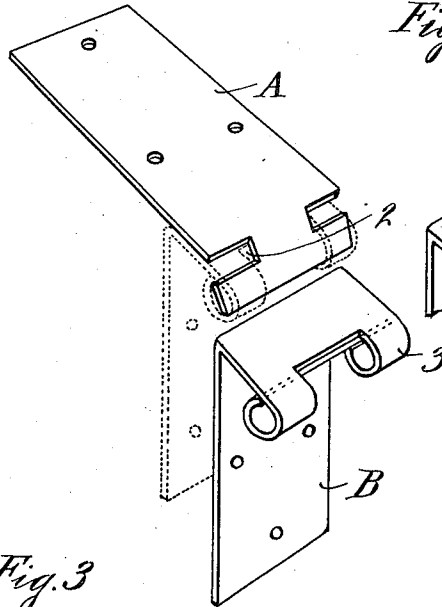


Fig. 2

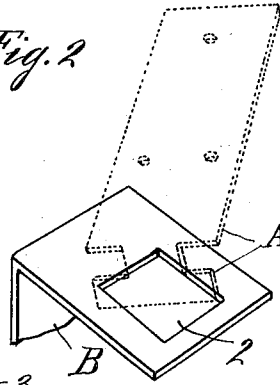
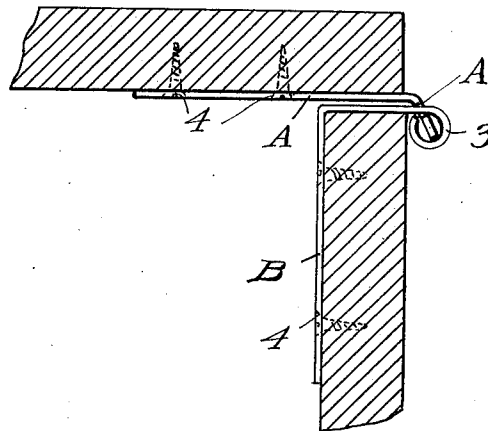


Fig. 3



Witnesses,
George Voelker
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UNITED STATES PATENT OFFICE.

RUDOLPH C. PLEINS, OF ST. PAUL, MINNESOTA.

HINGE.

1,029,629.

Specification of Letters Patent.

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Application filed September 27, 1911. Serial No. 651,523.

To all whom it may concern:

Be it known that I, RUDOLPH C. PLEINS, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Hinges, of which the following is a specification.

My invention relates to improvements in hinges, its object being particularly to provide an improved hinge for box covers in which the members are easily put together and which cannot be tampered with to separate the members when the box cover is closed.

To this end the invention consists in the features of construction, combination, and arrangement of parts hereinafter described and claimed.

In the accompanying drawings forming part of this specification, Figure 1 is a perspective view of the hinge showing the members separated; Fig. 2 is a perspective view illustrating the method of putting the members together; and Fig. 3 is a section through a box cover and adjacent wall showing the hinge in position.

In the drawings A represents the pintle member and B the knuckle member of the hinge. The member B is formed at one end with an opening 2 made relatively longer lengthwise of the hinge so as to allow the pintle to be inserted through the opening by holding the same lengthwise or diagonally of the opening as illustrated in Fig. 2. The pintle being inserted through the opening 2, the end of the member B formed with the opening is rolled over the pintle to form the knuckle 3. The knuckle member is bent as shown in Fig. 3 to fit over the top edge of the side wall of the box and against the inner face of the side wall, the knuckle standing outside the wall. The members of the hinge are secured to the side wall and cover of the box in the usual manner, as by screws 4. The opening 2 may be made long enough so as to allow the pintle to be inserted either corner or lengthwise, said opening being narrower than the length of the pintle so that when the hinge is in the position shown in Fig. 3 the opening up of the roll 3 will not allow the re-

moval of the pintle. It will thus be evident that it will be impossible to tamper with the hinge when the cover is closed to separate the pintle and knuckle members without separating the pintle member from the cover and turning it to bring the pintle lengthwise of the opening 2. Thus any tampering with the hinge to separate the members is rendered impossible.

I claim as my invention:

1. A strap hinge of the class described, comprising a pintle member and a knuckle member, the pintle member being formed at one end with a transversely extending pintle and the knuckle member being formed at one end with an opening long enough longitudinally of the knuckle member to receive the pintle but narrower than the length of the pintle.

2. A strap hinge of the class described, comprising a pintle member formed at one end with a transversely extending pintle, the knuckle member being formed at one end with an opening receiving said pintle, said opening being long enough longitudinally of the knuckle member to receive the pintle but narrower than the length of the pintle, the end of the knuckle member being rolled over said pintle when the parts are interlocked.

3. In combination with a box and cover, comprising a strap hinge of the class described, a flat pintle member to be secured to the underside of the box cover and formed at its outer end with a transversely extending pintle, a knuckle member bent at right angles to fit over the top edge of the adjacent wall of the box and against the inner face of the side wall, the outer end of said knuckle member extending beyond the wall of the box and being formed with an opening long enough longitudinally of the knuckle member to receive the pintle lengthwise, said opening being narrower than the length of the pintle.

In testimony whereof I affix my signature in presence of two witnesses.

RUDOLPH C. PLEINS.

Witnesses:

H. S. JOHNSON,
H. SWANSON.