

W. N. OFFUTT, SR.
HINGE.
APPLICATION FILED SEPT. 2, 1914.

1,154,538.

Patented Sept. 21, 1915.

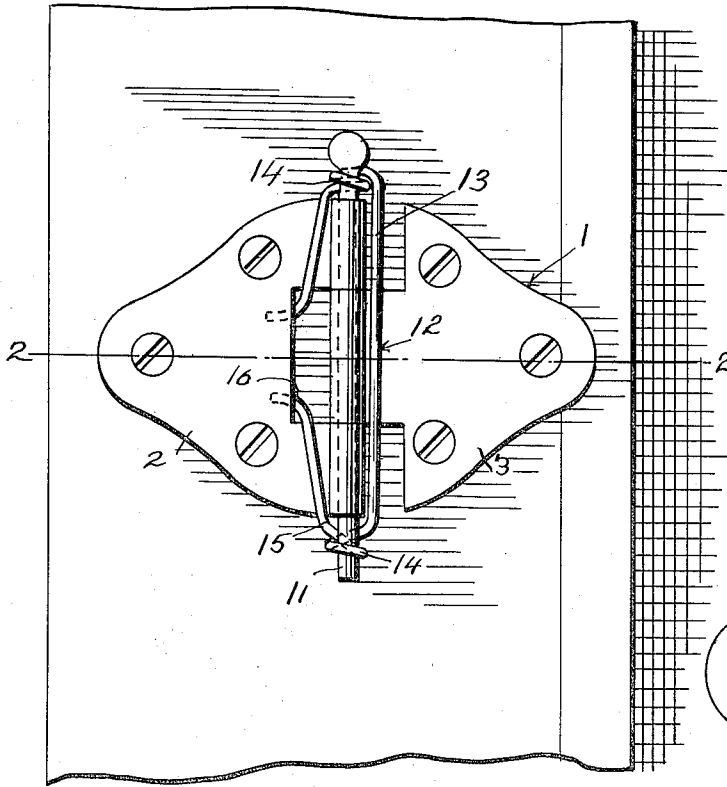


Fig. 1.

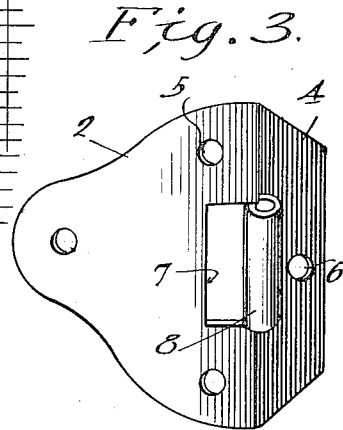


Fig. 3.

Fig. 2.

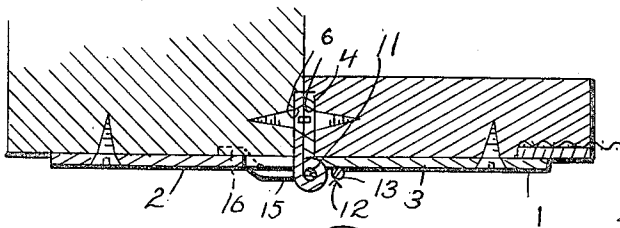


Fig. 4.

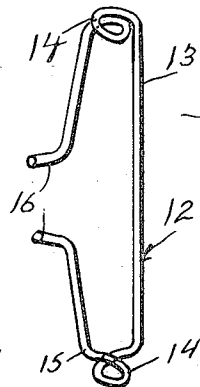
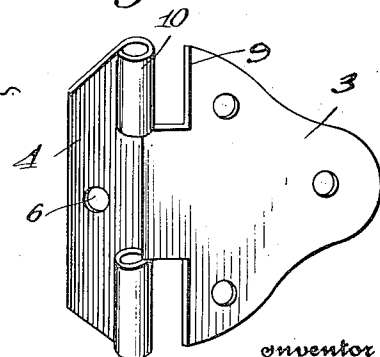


Fig. 5.



inventor
W. N. Offutt, Sr.

Witnesses

W. Jones
A. Gray

By *W. N. Offutt, Jr.*
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM NATHANIEL OFFUTT, SR., OF MEDFORD, OREGON.

HINGE.

1,154,538.

Specification of Letters Patent.

Patented Sept. 21, 1915.

Application filed September 2, 1914. Serial No. 859,878.

To all whom it may concern:

Be it known that I, WILLIAM NATHANIEL OFFUTT, Sr., a citizen of the United States, residing at Medford, in the county of Jackson and State of Oregon, have invented certain new and useful Improvements in Hinges; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in hinges, and has for its principal object to provide a simple and effective hinge which may be stamped from a single sheet of material and bent in the proper form at a minimum of expense.

Another object of the invention is to provide a simple and effective hinge which is provided with a reinforcing leaf in order that the door or other object upon which the hinge is used, may be prevented from sagging or becoming otherwise defective.

With these and other objects in view, the invention consists in the novel combination and arrangement of parts which will be fully set forth in the following specification and accompanying drawings, in which,

Figure 1 is a face view of a spring hinge constructed in accordance with this invention, Fig. 2 is a transverse sectional view taken on line 2—2 of Fig. 1, Fig. 3 is a perspective view of one of the butts, Fig. 4 is a perspective view of the cooperating butt, and Fig. 5 is a detail perspective view of the spring.

Referring now to the drawings by characters of reference, the numeral 1 designates as an entirety a hinge constructed in accordance with this invention which comprises the two separate butts 2 and 3. These butts 2 and 3 each comprise a substantially triangular body portion having the angular leaf or extension 4 formed thereon. These butts 2 and 3 are also provided with a screw-receiving, counter sunk apertures 5 which are arranged to cooperate with the apertures 6 formed in the leaves 4 in receiving screws by which the device is held in place.

Formed centrally of the lateral extremities of the body 2 is the rectangular aperture 7 which is formed by cutting slits and

rolling the material between the slits to form the hinge barrel 8, which lies along the edge of the body 2 at the point where the leaf 4 is joined. A pair of similar slits are formed in the cooperating body 3 of the hinge and said slits form the walls of the recesses 9 when the barrels 10 are rolled into the position illustrated in Fig. 4. These barrels 10 and 8 are arranged to cooperate with each other to receive the hinge pin 11 as illustrated in Fig. 1.

A suitable spring designated generally by the numeral 12 is provided and comprises the wire 13 which is provided at each end with a loop 14 which is arranged to surround the pin 11 and the free ends of each of the loops are bent inwardly as at 15. These extensions 15 are bent outwardly as at 16 at their free terminals and said outward ends are disposed beneath the body 2 when the hinge is in place. It will thus be seen that a spring hinge is provided which will normally tend to hold the door in its closed position.

While in the foregoing there has been shown and described the preferred embodiment of this invention, it is to be understood that such changes may be made in the combination and arrangement of parts as will fall within the spirit and scope of the invention as defined in the appended claim.

Having thus described my invention, I claim:

In combination, a pair of hinge butts, one of said butts comprising a triangular body, a tongue extending from one of the edges of the body, an angular leaf formed at the free end of the tongue, said leaf being of a width equal to the length of the side edge of the body on which the tongue is formed, hinge barrels formed on the leaf on opposite sides of the tongue, the cooperating hinge butt comprising a triangular body, a pair of spaced tongues formed on one edge of the body, said tongues being separated a distance equal to the width of the tongue on the first mentioned body, an angular leaf formed at the free terminals of the last mentioned tongues, a hinge barrel formed on the leaf between the tongues, a hinge pin extending through the hinge barrels, a spring, said spring being looped around the opposite

ends of the hinge pin, a bar connecting the loops, inwardly extending arms on the loops projecting toward the center of the triangular body provided with the two tongues and
5 hooks on the ends of the inwardly extending arms engaging beneath the body and between the tongues.

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

WILLIAM NATHANIEL OFFUTT, SR.

Witnesses:

ROY STEARNS,
W. M. HINEY.