J. B. WILLIAMS.

SHUTTER HINGE.

APPLICATION FILED MAR. 18, 1908.

900,336.

Patented Oct. 6, 1908.

Fig. 1.

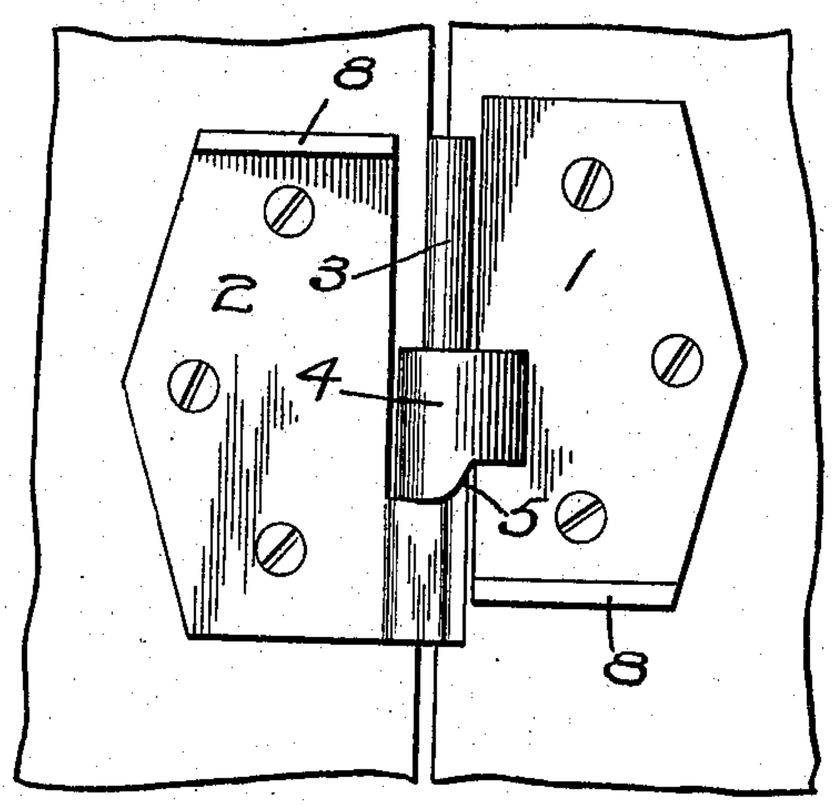


Fig. 3.

Fig. 2.

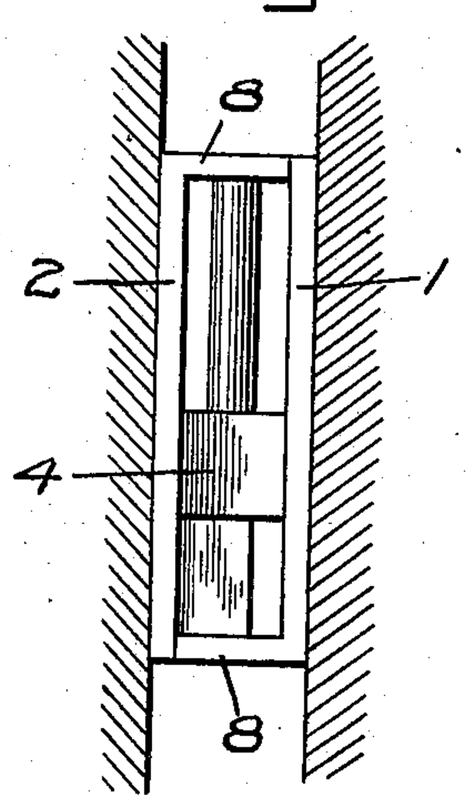
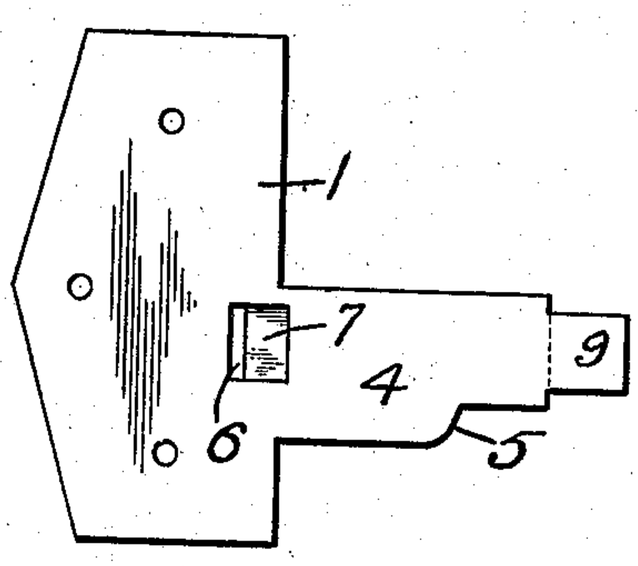


Fig. 4.



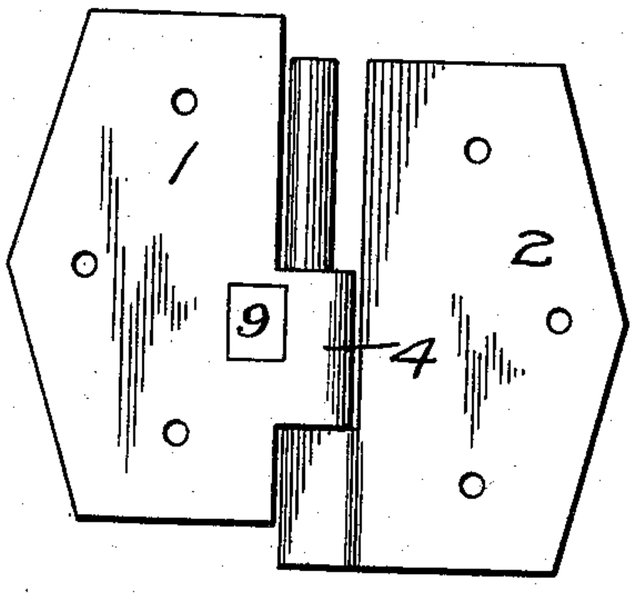
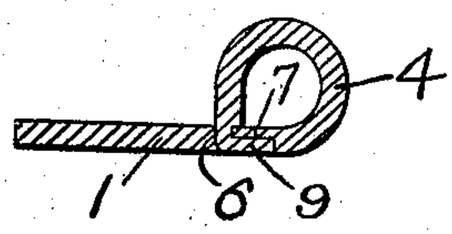


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

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SHUTTER-HINGE.

No. 900,336. Specification of Letters Patent. Patented Oct. 6, 1908.

Application filed March 18, 1908. Serial No. 421,931.

To all whom it may concern:

Be it known that I, JOHN B. WILLIAMS, a citizen of the United States, residing at Houston, in the county of Harris and State of Texas, have invented a new and useful Shutter-Hinge; 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.

The invention relates to improvements in hinges and it has for its object to provide a simple, inexpensive and durable device of this character especially adapted for use on shutters for windows and the like.

Another object of the invention is to provide a hinge for shutters of this class having an abutting projection on each leaf of the hinge by which the rattling of the hinge in windy weather can be effectively prevented.

Another object of the invention is to provide a device of this character made of sheet metal, instead of castings, which is much less liable to break or snap when wrenched than the old fashioned castings are.

With these and other objects in view, the invention consists in the novel construction and arrangement of parts hereinafter described and shown and particularly pointed out in the appended claims.

In the drawings Figure 1 is a plan view of a pair of hinges constructed in accordance with this invention. Fig. 2 is a view showing the position of the hinges when the shutter is wide open. Fig. 3 is a plan view of the blank of sheet metal out of which the leaf 1 is formed. Fig. 4 is a view of the reverse side of the hinge from that shown in Fig. 1. Fig. 5 is a transverse sectional view taken through the knuckle.

Referring to the drawings 1 and 2 designate the two leaves constituting the hinge, the leaf 2 being provided with a pintle 3 which is engaged by a knuckle 4 of the leaf 1. The knuckle 4 is provided with the usual recess 5, as shown, which locks the shutters in an open position when desired. The leaf 1 is provided with a slot 6 through which the lip passes that forms the knuckle 4 and which is embedded in a recess on the inner face of the leaf 1, as shown at 7. By means of this slot the knuckle forms a complete circle and is greatly strengthened by passing therethrough.

Each of the leaves 1 and 2 is provided with a horizontal portion 8 which abuts against the opposite leaf and which effectually prevents the afore-mentioned rattling of the shutters such as is commonly experienced in windy weather.

It will be seen that my hinge is simple, inexpensive and durable and that it can be readily applied to any kind of a window shutter, and that the same affords a great amount of strength out of a minimum amount of metal.

Having thus described the invention, what is claimed is:—

1. A device of the class described comprising a pair of leaves, one of said leaves being stamped out of a single piece of metal, and provided with a projection, said projection being reduced near its terminal, said leaf having a slot, a recess extending half the thickness of said leaf, said projection being coiled in the form of a knuckle, the reduced portion being inserted in said slot and adapted to engage said recess for enabling the same to present an even surface, said projection being bent in the shape of an L, the other leaf having a pintle and adapted to engage said knuckle, substantially as described.

2. In a hinge, a pair of leaves, one of the leaves having a knuckle, the opposite leaf having a pintle to be received by the knuckle, said knuckle being formed from a projection of said leaf, said leaf having means to secure the extremity of said projection, each leaf having a projection to abut the opposite leaf to prevent rattling when the leaves are locked, the projection of one leaf being formed upon its upper portion thereof while the other projection of the opposite leaf is formed upon its lower portion.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN B. WILLIAMS.

Witnesses:

G. PERCY MCGLUE,

DEAN SWIFT.