

H. ZIMMERMAN.
 BRACKET FOR SHUTTER FASTENERS.
 APPLICATION FILED MAR. 19, 1908.

906,358.

Patented Dec. 8, 1908.

Fig. 1.

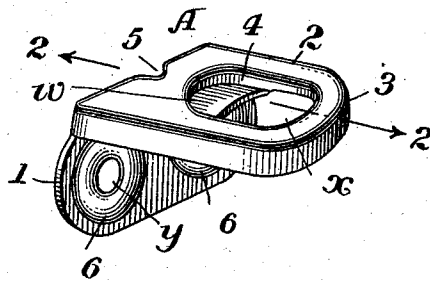


Fig. 2.

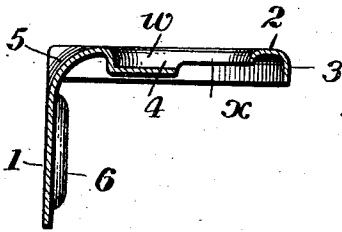
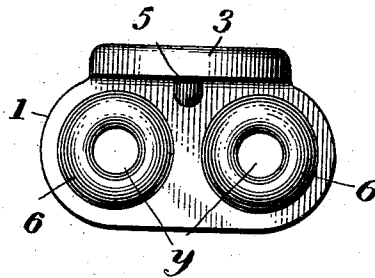


Fig. 3.



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UNITED STATES PATENT OFFICE.

HARRY ZIMMERMAN, OF FREMONT, OHIO.

BRACKET FOR SHUTTER-FASTENERS.

No. 906,358.

Specification of Letters Patent.

Patented Dec. 8, 1908.

Application filed March 19, 1908. Serial No. 422,025.

To all whom it may concern:

Be it known that I, HARRY ZIMMERMAN, a citizen of the United States, and a resident of Fremont, Ohio, have invented certain new and useful Improvements in Brackets for Shutter-Fasteners, of which the following is a specification.

My invention relates to that class of brackets used in connection with the hook brace-
rods of shutter fasteners, and consists in so constructing the bracket that it may possess the requisite rigidity and strength and durability, while embodying a minimum amount of metal, as fully set forth hereinafter and as illustrated in the accompanying drawing, in which:

Figure 1 is a perspective view of my improved bracket; Fig. 2 a section on the line 2—2 Fig. 1; and Fig. 3 a front view.

The bracket A is formed of one single piece of metal and is especially constructed so that it may be best formed by stamping from a single sheet of malleable metal, and has a back piece 1 and a forwardly projecting shelf 2, with a perforation or opening x for the passage of the hook of the usual rod used in connection with shutter fasteners.

It has been found that the commercial manufacture of articles of this character depends to a very great extent in the reduction in the amount of metal embodied therein, and in order to reduce the amount required as much as possible and at the same time secure the requisite strength I make the parts of thin metal, but brace them by flanging the shelf 2 downward, forming an edge flange 3, as shown, which imparts stiffness and rigidity and preferably I also extend the metal downward around the opening x to form a flange 4, and between the shelf and the back piece I indent or otherwise form the article so as to produce an inclined web 5, which imparts rigidity and strengthens the shelf against

pressure tending to deflect the same downward. I also strengthen the back piece by means of flanges 6 which are preferably in the form of circular flanges around the screw openings y . By this means I have secured all the necessary strength and rigidity, while the amount of metal employed is so small that the expense of manufacture is reduced to a minimum.

In some cases it is desirable to afford a rest for the end of the hook with the brace rod without introducing the same into the opening x , and for this purpose I provide the shelf with a depression w at the rear of the opening x , the bottom of the said depression constituting a bearing for the end of the hook of the rod. The back plate 1 may extend either downward or upward from the shelf 2, as circumstances may demand.

Without limiting myself to the precise construction, I claim:

1. A bracket for shutter fasteners consisting of a perforated back piece, and a forwardly projecting shelf having an opening, and flanged and in one piece with the back piece, as set forth.

2. A bracket for shutter fasteners consisting of a perforated back piece, and a forwardly flanged projecting shelf having an opening and with a depressed bearing face back of the opening.

3. The combination with a bracket for shutter fasteners, of a perforated and flanged back piece, a flanged shelf in one piece with the back piece and with an opening and an inclined web between the shelf and back piece, for the purpose described.

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

HARRY ZIMMERMAN.

Witnesses:

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