

No. 887,174.

PATENTED MAY 12, 1908.

H. ZIMMERMAN.

CATCH BRACKET FOR SHUTTER FASTENERS.

APPLICATION FILED AUG. 17, 1907.

Fig. 1.

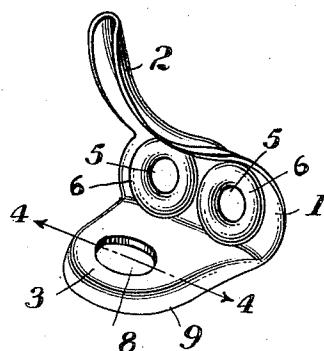


Fig. 2.

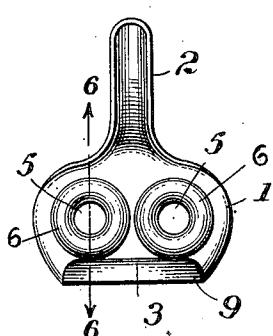


Fig. 3.

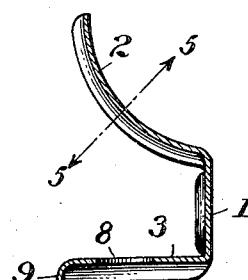


Fig. 4.

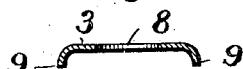


Fig. 5 *Fig. 7.*



Fig. 6

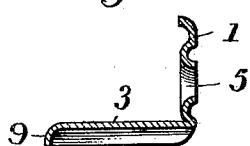


Fig. 8.



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UNITED STATES PATENT OFFICE.

HARRY ZIMMERMAN, OF FREMONT, OHIO.

CATCH-BRACKET FOR SHUTTER-FASTENERS.

No. 887,174.

Specification of Letters Patent.

Patented May 12, 1908.

Application filed August 17, 1907. Serial No. 389,060

To all whom it may concern:

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

My invention relates to such brackets as are used in shutter fasteners in connection with the catches or locking devices thereof, and my invention consists in making such brackets each of a single piece of sheet metal so formed as to secure proper strength and rigidity with light weight, and fine finish and facilitate and cheapen the manufacture.

In the accompanying drawing: Figure 1 is a perspective view of my improved bracket; Fig. 2 a face view; Fig. 3 a vertical central sectional view; Fig. 4 a section on the line 4—4, Fig. 1; Fig. 5 a section on the line, 5—5, Fig. 3; Fig. 6 a section on the line 6—6, Fig. 2; and Figs. 7 and 8 are sectional views illustrating modifications.

The bracket consists of a single piece of sheet metal so shaped, punched and bent, by stamping or otherwise, as to form a central perforated back piece 1 which rests against the shutter, a forwardly projecting arm or horn 2 which may be seized to shut the shutter, and a perforated shelf 3 to support the loose hooked end of the brace rod or other fastening device.

In order to reduce the cost of manufacture by the use of light thin metal yet secure the

proper strength and stiffness, I stiffen the different parts by stamping up the same to form stiffening ribs or flanges properly arranged. Thus the perforations 5, formed in the back piece 1 to receive the securing screws have annular ribs 6 around them which stiffen the back piece. The horn is stiffened by bending or curving it transversely as shown in Fig. 5, or by a more pronounced rib, as in Fig. 7, while the shelf 3 which has an opening 8 to receive the hooked end of the brace rod is stiffened by an edge flange 9. Where greater stiffness is required the opening or perforation 8 may also have an edge flange 10, as shown in Fig. 8.

I do not here claim broadly the combination of a perforated back piece and flanged projecting shelf, as shown in my application filed March 19, 1908, Serial No. 422,025.

Without limiting myself to the precise construction shown, I claim:

A bracket for shutter fasteners consisting of one piece of sheet metal having a perforated back piece with annular ribs around the perforations, a forwardly projecting bent horn transversely curved, and a forwardly projecting slotted shelf stiffened by a flange, as set forth.

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

HARRY ZIMMERMAN.

Witnesses:

MATIE BISNETTE,
MARIE KLOPFER.