

H. ZIMMERMAN.
SILL PLATE.
APPLICATION FILED NOV. 4, 1907.

921,783.

Patented May 18, 1909.

Fig. 1.

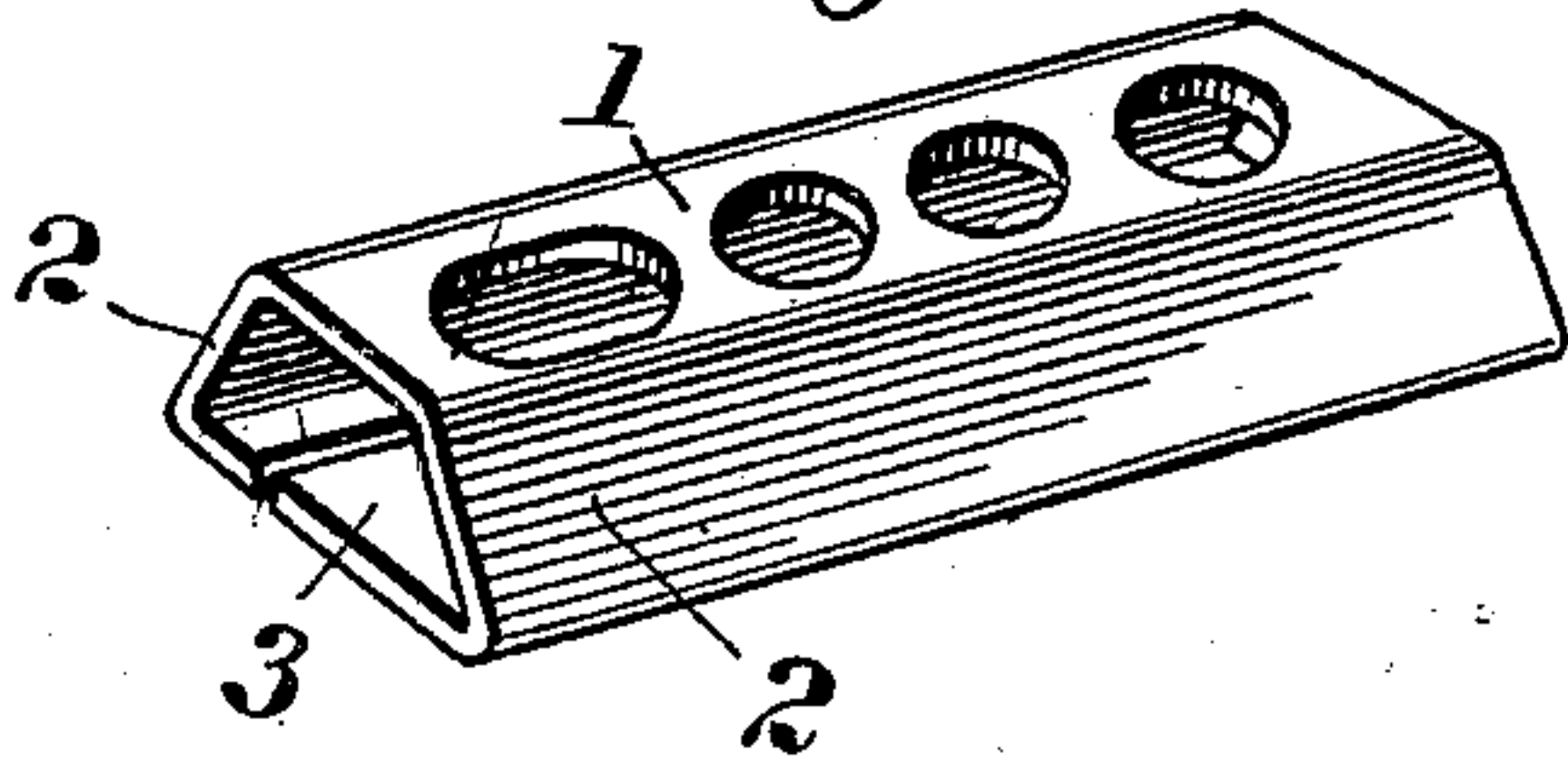


Fig. 2.

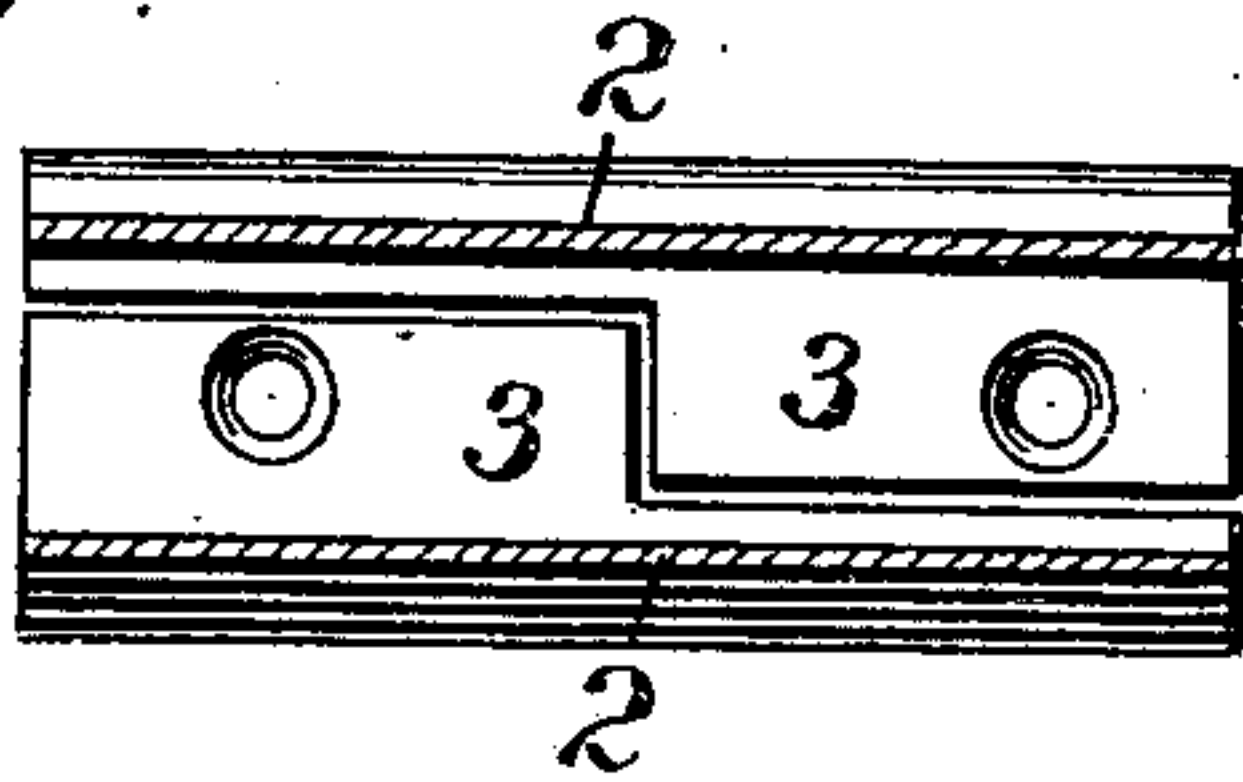


Fig. 3.

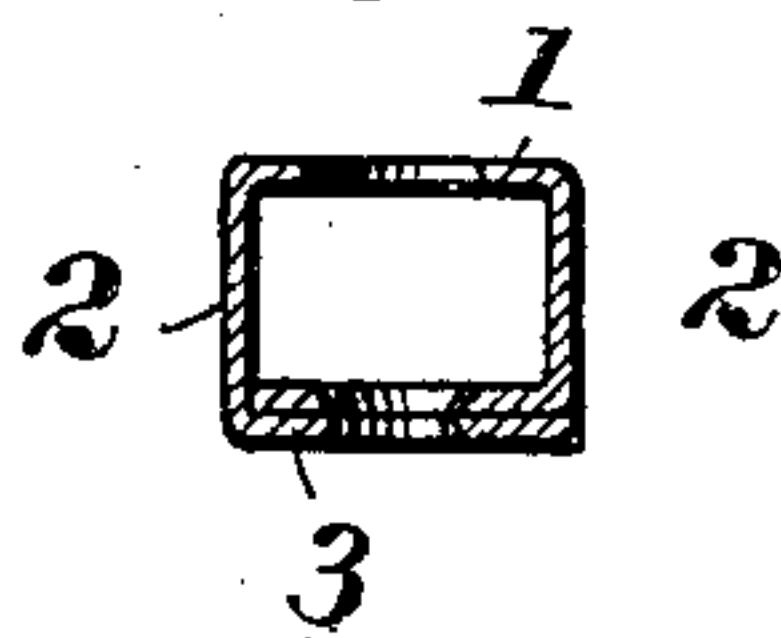


Fig. 4.

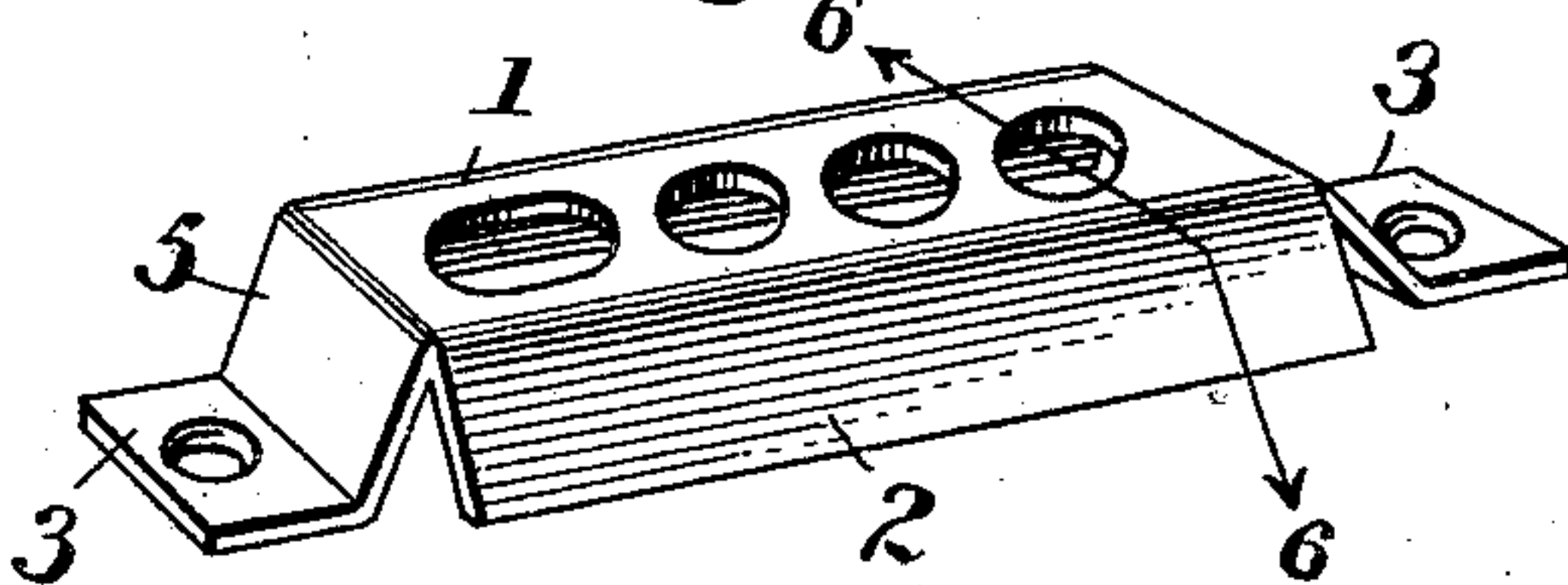


Fig. 5.

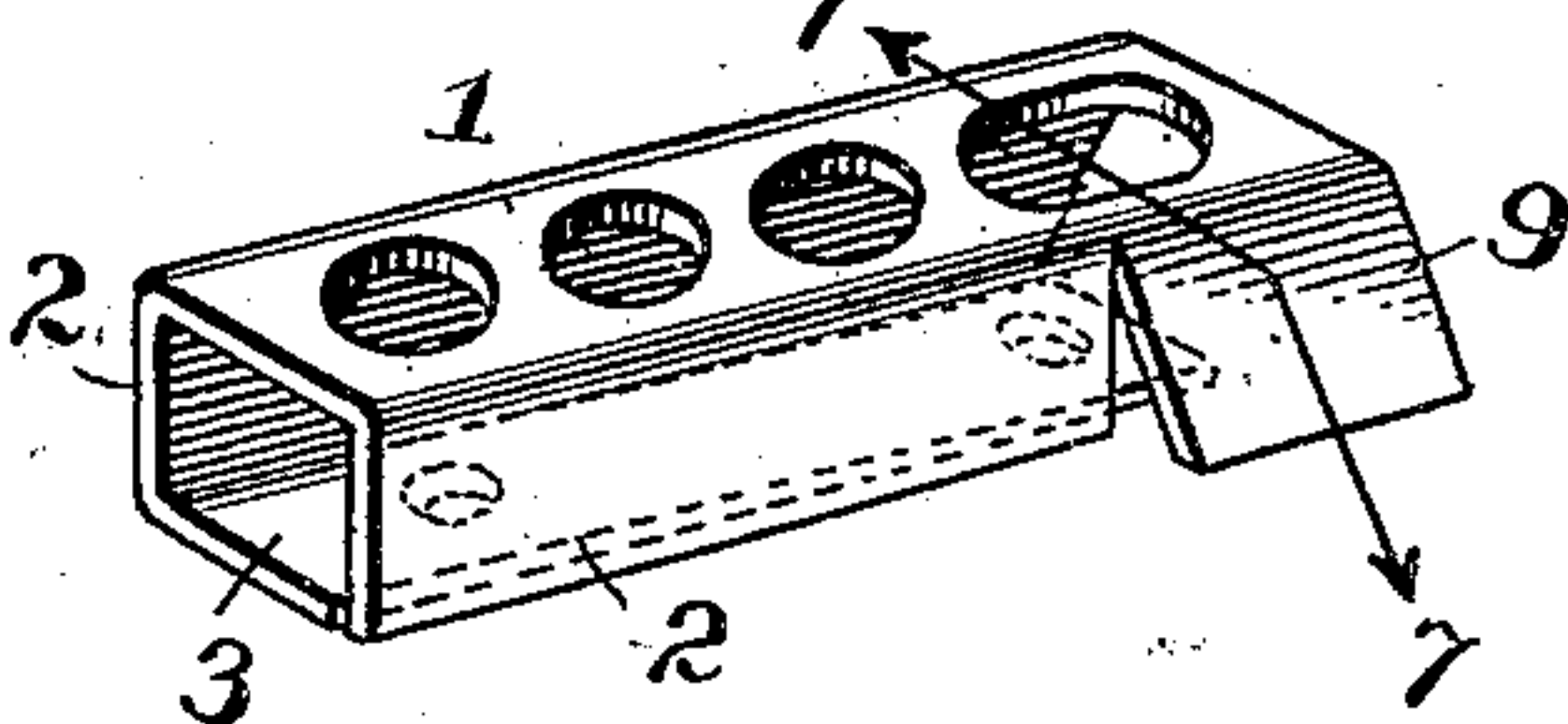


Fig. 6.

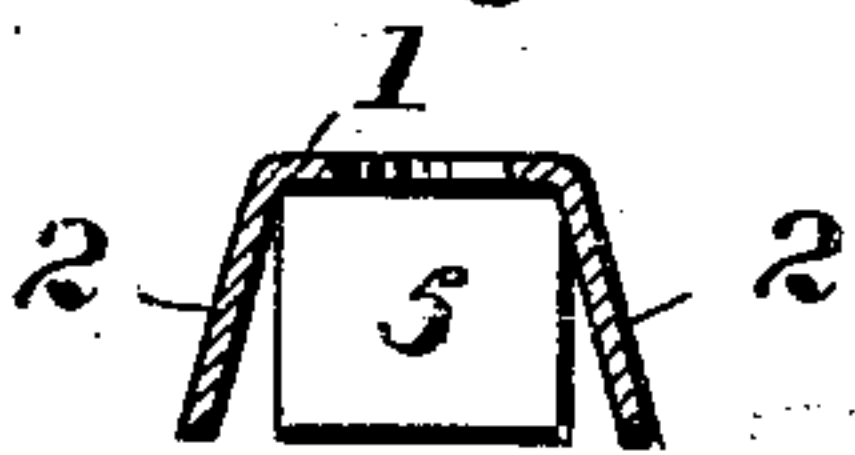


Fig. 7.

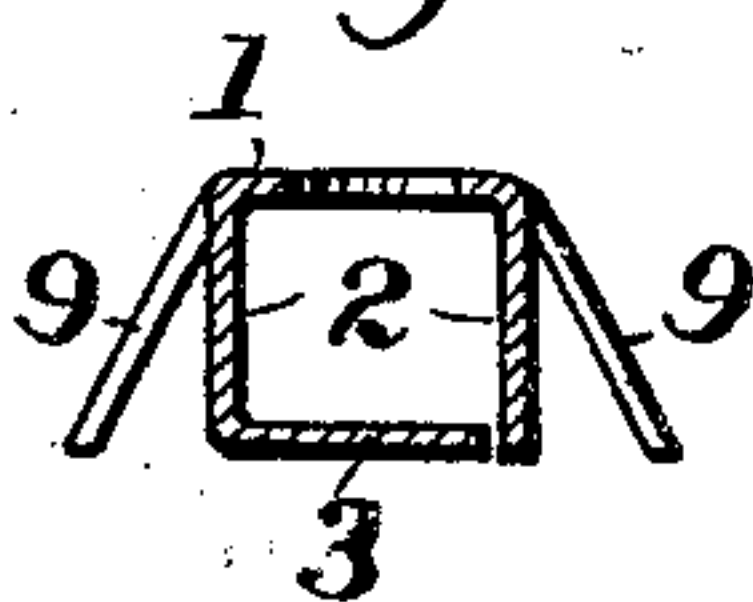


Fig. 9.

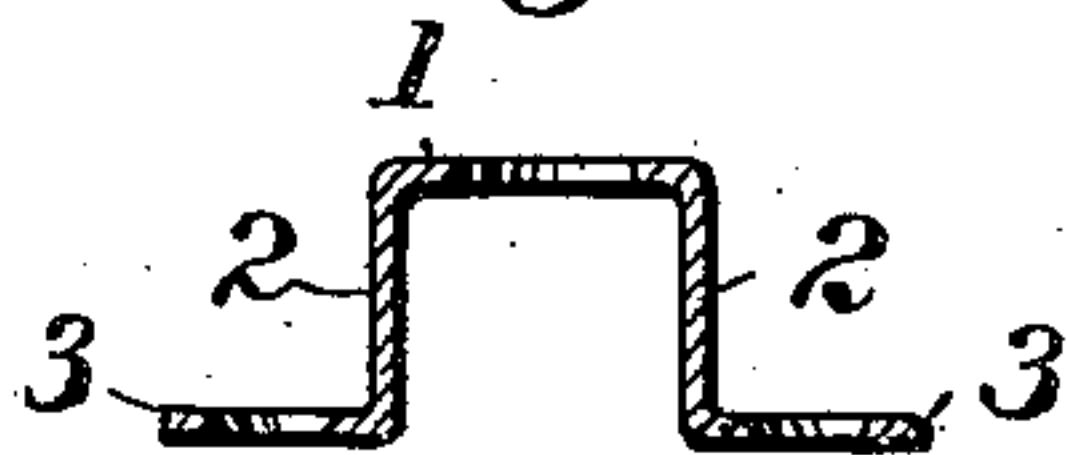
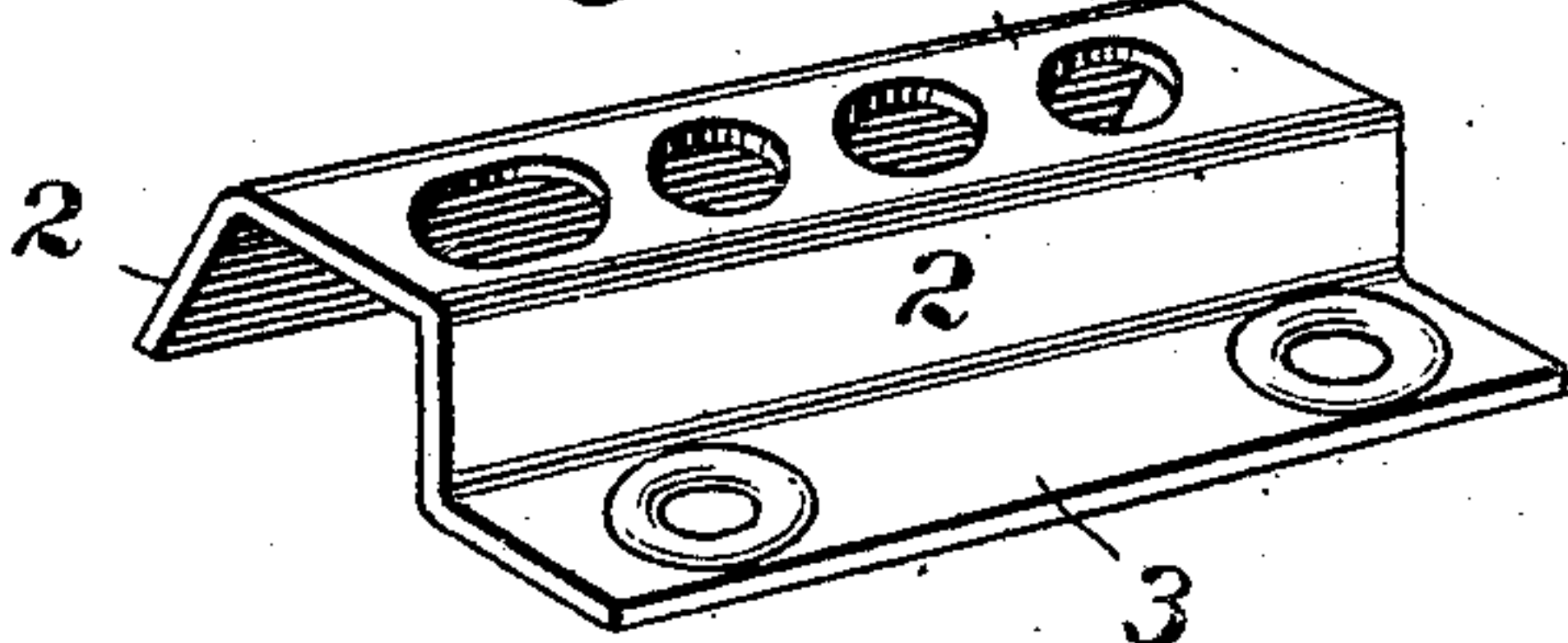


Fig. 8.



Witnesses
J. J. Stink
J. J. McCarthy

Inventor
by *Harry Zimmerman*
Inter, Deewan, Watson & Co.
Attorneys

UNITED STATES PATENT OFFICE.

HARRY ZIMMERMAN, OF FREMONT, OHIO.

SILL-PLATE.

No. 921,783.

Specification of Letters Patent.

Patented May 18, 1909.

Application filed November 4, 1907. Serial No. 400,654.

To all whom it may concern:

Be it known that I, HARRY ZIMMERMAN, a citizen of the United States, residing at Fremont, in the county of Sandusky and State of Ohio, have invented certain new and useful Improvements in Sill-Plates, of which the following is a specification.

My invention relates to sill plates such as are used in shutter bowers and consists in making each of a single piece of perforated sheet metal, as fully set forth hereinafter and as illustrated in the accompanying drawing, in which:

Figure 1 is a perspective view of a sill plate embodying my invention; Fig. 2 is a sectional plan of Fig. 1; Fig. 3 is a transverse section illustrating overlapping base portions; Figs. 4 and 5 are perspective views illustrating other forms embodying my invention; Fig. 6 is a section transversely on the line 6—6, Fig. 4; Fig. 7 is a section transversely on the line 7—7, Fig. 5; Fig. 8 is a perspective view illustrating another form of sill; and Fig. 9 is a cross section illustrating another form.

The sill piece consists essentially of a single piece of sheet metal bent on parallel lines to form a bridge piece 1 and two parallel side pieces or flanges 2, 2, and it may be formed and bent to form a base piece or base pieces 3. As shown, except in Figs. 5, 7 and 8 there are two base pieces, 3, 3. The base pieces are formed either by bending inward both the side pieces, as in Figs. 1, 2, 3, or by bending in one side piece as in Figs. 5 and 7, by bending one or both the side pieces outward as in Figs. 8 and 9, or by forming end pieces as in Fig. 4, and bending the same outward as in Fig. 4, but in each construction the bridge pieces and base pieces have suitable perforations, those of the base pieces, when the latter are bent inward, being directly below but smaller than perforations of the bridge piece so that the retaining screws can be introduced through the bridge piece openings into those of the base. The side pieces may be vertical, as in Figs. 3, 5, 7 and 9, or slightly inclined, as in Figs. 1, 2, 4, 6, and where the sill plate is to be used with a vertically movable retaining catch or bolt one or both side pieces may be slit and one of the divisions thus formed bent outward to

form an inclined wing 9, as shown in Figs. 5 and 7.

It will be seen that one of the series of openings in the bridge is elongated so that it allows for different positions of the bent end of the usual brace rod, thereby enabling the shutter to be locked even if the window shutter cannot be absolutely closed as the result of warping or the presence of ice or snow.

By the construction described the device may be formed by punching and cutting a single blank at one operation and then bending on proper lines to form the side and base pieces, thereby manufacturing the device cheaply, while the side and base pieces so stiffen the bridge piece that the article may be made of comparatively thin metal, and thus at a small cost.

I do not here claim any of the features shown herein and also shown and claimed in my application for Letters Patent Serial No. 347, 531.

Without limiting myself to the construction and arrangements shown, I claim—

1. A sill plate for shutter bowers, consisting of a sheet metal plate bent to form a bridge with side flanges extending the length of the bridge, and to the sill and with perforations in the bridge.

2. A sill plate for shutter bowers, consisting of a sheet metal plate bent to form a bridge piece, longitudinally parallel side flanges, and a base, with perforations in the top of the bridge and others in the base below those in the bridge.

3. A sill plate for shutter bowers, consisting of a sheet metal plate bent to form a bridge piece, parallel side flanges extending the length of the bridge, a part of one of the side flanges bent outward to an inclined position, and a base, with perforations in the top of the bridge and others in the base below those in the bridge.

4. A sill plate for shutter bowers consisting of a sheet metal plate bent to form a bridge piece, side pieces and base, the bridge and base pieces being perforated, as set forth.

5. A sill plate consisting of a single piece of sheet metal having bridge, side and base pieces, a part of a side piece being discon-

nected from the remaining part and inclined outwardly, and the bridge and base pieces having perforations, as specified.

6. A sill plate consisting of a single piece
5 of sheet metal bent to form a bridge piece, side pieces and base pieces extending inward from the side pieces, the bridge piece having perforations and the base pieces also

having perforations immediately below those of the bridge piece.

10

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

HARRY ZIMMERMAN.

Witnesses:

MATIE BISNETTE,
FRANK C. KISER.