(No Model.)

C. M. BURGESS.

SHEET METAL LATCH KEEPER.

No. 421,381. Patented Feb. 18, 1890.

Fig. 1.

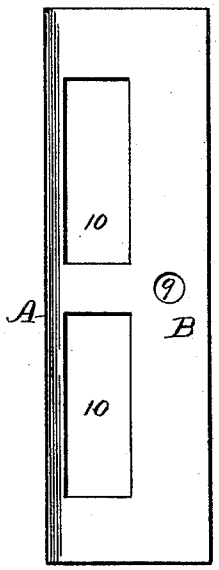


Fig. 2.

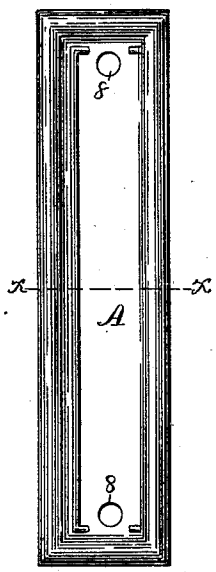
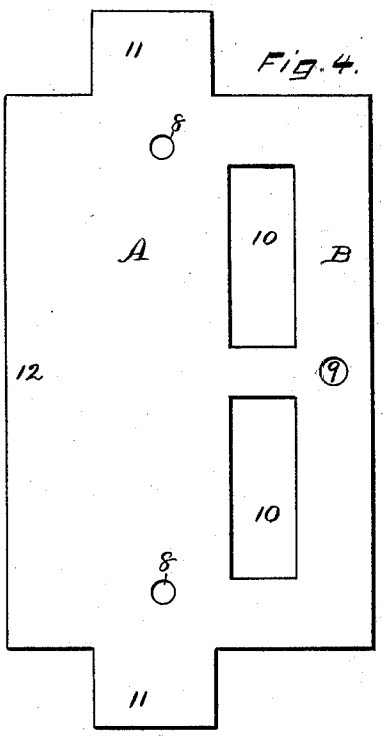


Fig. 4.



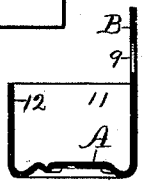


Fig. 3.

Fig. 5.

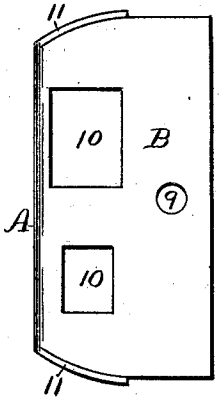


Fig. 6.

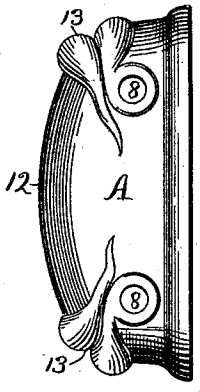
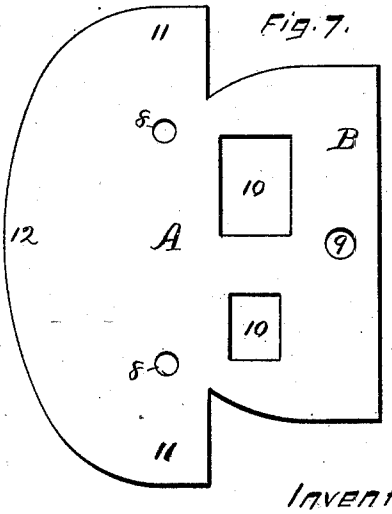


Fig. 7.



Witnesses.
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N. PETERS. Photo-Lithographer. Washington. D. C.

UNITED STATES PATENT OFFICE.

CHARLES M. BURGESS, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE RUSSELL & ERWIN MANUFACTURING COMPANY, OF SAME PLACE.

SHEET-METAL LATCH-KEEPER.

SPECIFICATION forming part of Letters Patent No. 421,381, dated February 18, 1890.

Application filed January 6, 1890. Serial No. 336,017. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. BURGESS, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Sheet-Metal Latch-Keepers, of which the following is a specification.

My invention relates to improvements in sheet-metal latch-keepers; and the objects of my improvement are simplicity of construction and efficiency in the finished article.

In the accompanying drawings, Figure 1 is a side elevation of my keeper; Fig. 2, a front elevation; Fig. 3, a transverse section on line *x x* of Fig. 2; Fig. 4, a plan view of the blank from which said keeper is formed; Fig. 5, a side elevation of my keeper in a slightly-different form; Fig. 6, a front elevation of the same, and Fig. 7 a plan view of the blank from which said keeper is formed.

The keeper is designed for surface locks or latches, the same being known as "rim-latches."

I form my keeper of a box-like body A and a rearwardly-projecting flange B. The edges of the sheet metal at the back or open side of the box is designed to rest against the front surface of the casing or door-frame, while the flange is designed to rest against one side thereof. I form this keeper from a flat sheet-metal blank and perforate the body to form the screw-holes 8 to receive the screws that extend into the front face of the door-frame or casing, and with one or more screw-holes 9 to receive a screw or screws that extend into the door-jamb or casing at right angles to the aforesaid screws. The flange B in the blank is of a width equal to the depth of the box-like body and the rearward projection of said flange. It is also provided with a mortise or mortises 10 in that portion which in the finished keeper will form one side of said body portion. The blank is also provided at each end with wings or flanges 11 to form the end portions of the body, and with a side wing or flange 12, that forms the side of the body opposite to that having the mortise or mortises. The blank is then struck in suitable dies to give the desired finish or ornament to the front face and to bend the respective wings or flanges into the proper form, as shown in Figs. 1, 2, and 3.

In Figs. 5, 6, and 7 the same construction is followed, excepting that angular corners are not cut out at the junction of the wings 11 and 12; but in lieu thereof the corners of the blank are rounded and the keeper when struck up is given more of an ornamental form, with corrugations or beads 13 at the corners.

In addition to ornamentation, the swaging or striking up of the front in dies enables me to use much thinner metal than has heretofore been employed, and the form of my blank and keeper is such that its front is adapted to be so struck up. The flange B, although old of itself, is an important feature in a keeper made of thin sheet metal, as it receives the thrust of the latch-bolt when the door is being closed, the force of which is resisted by a screw or screws in said flange, thereby preventing the edges of the thin metal, which are seated upon the face of the casing, from being forced into the wood.

I claim as my invention—

The herein-described sheet-metal keeper, consisting of a box-like body portion and a rearwardly-projecting flange, all struck up from a single piece of sheet metal from a blank having wings or flanges at the sides and ends of the central portion, the edges of the metal at the open side of said body portion in the complete article being designed to rest upon the front face of the casing or door-frame, substantially as described, and for the purpose specified.

CHAS. M. BURGESS.

Witnesses:
THOS. S. BISHOP,
M. S. WIARD.