D. E. HUNTER.

METAL TIP FOR GUIDE CARDS.

APPLICATION FILED OCT. 14, 1907.

905,319. Patented Dec. 1, 1908.

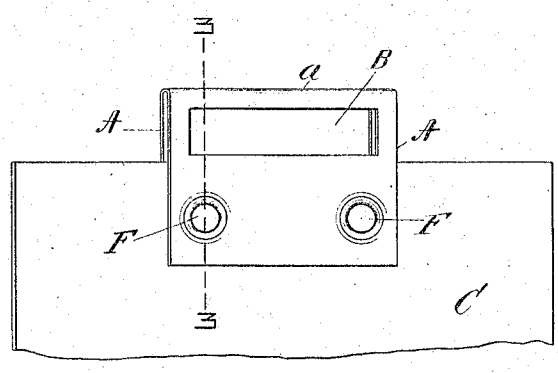


Fig. 1.

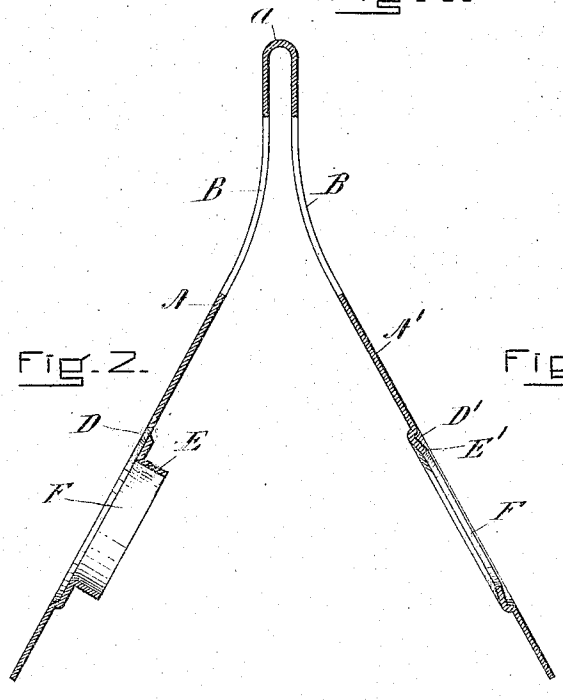


Fig. 2.

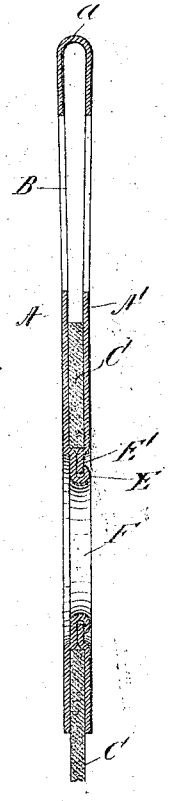


Fig. 3.

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DAVID E. HUNTER, OF CAMBRIDGE, MASSACHUSETTS, ASSIGNOR TO LIBRARY BUREAU, OF BOSTON, MASSACHUSETTS, A CORPORATION OF NEW JERSEY.

METAL TIP FOR GUIDE-CARDS.

No. 905,319. Specification of Letters Patent. Patented Dec. 1, 1908.

Application filed October 14, 1907. Serial No. 397,267.

To all whom it may concern:

Be it known that I, DAVID E. HUNTER, a citizen of the United States, and resident of Cambridge, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Metal Tips for Guide-Cards, of which the following is a specification.

My invention consists in improvements in metal tips for guide cards in card systems and is illustrated in the drawings hereto annexed, which show an embodiment of my invention, whereof

Figure 1 is a perspective view of a guide card with its tip attached; Fig. 2 is a sectional view on an enlarged scale of a guide card tip before attachment to a card; and Fig. 3 is a similar section taken on the line 3—3, Fig. 1, showing the tip attached to the card.

Heretofore metal tips have sometimes been applied to guide cards by means of separate eyelets inserted through registering apertures in the card and the leaves of the tip and clenched over the outside surfaces of the tip. The presence of the flanges of these clenched eyelets, raised as they are above the surfaces of the sheet metal tip, has proved to be detrimental for the reason that the projecting parts are an obstacle to the insertion or removal of cards placed adjacent to the guide card and that they add unprofitably to the thickness of the mass of cards as measured from front to back in the receptacle which contains them. Moreover, the manufacturer of card systems is obliged to handle several separate pieces in attaching the metal tips to the cards.

By my improvements illustrated herein I provide guide cards with metal tips which present a smooth unbroken surface both on front and back, are of minimum thickness and require no attaching means except those which are provided in the integral structure of the tips themselves.

The metal tip as shown in Fig. 2 is a sheet folded at *a* so as to form opposed leaves A A′ which are perforated to form the square openings B through which the index slip is visible. Apertures F are made in the two leaves A A′ so that they oppose and register with each other and also with apertures in the cards C. One of the two leaves, as A, has the integral flange E formed around the aperture F and is also by preference so shaped that a marginal depression or dished portion D appears around the edge of the aperture and the flange E. The opposed leaf A′ has its aperture so proportioned that the edge thereof at E′ corresponds to the outside diameter of the flange E and the material around the margin E′ is depressed or dished as at D′.

In Fig. 3 my improved sheet metal card tip is shown on an enlarged scale as contrasted with Fig. 1 in section upon the line 3—3, Fig. 1. The flange E is inserted through the proper aperture in the card C and through the registering aperture in the leaf A′ and is then clenched over the margin E′ in such a manner that the clenched portion of the flange E lies inside the plane of the surface of the leaf A′. One or preferably two or more flanges and corresponding dished openings are employed in preparing and securing my improved metal tip, which by reason of the construction above described is of practically minimum thickness when attached to the card and presents a perfectly smooth appearance on both sides, unobstructed by any excrescence or projection.

When the tip is secured to the card, the depressed or dished margin E′ enters the aperture in the card and meets the opposed inner surface of the opposite metal leaf at a plane between the planes of the two surfaces of the card. Thus the fastening members lie wholly within the space bounded by the planes of the tip itself, and largely within the space bounded by the planes of the card surfaces.

What I claim and desire to secure by Letters Patent is:—

A tip for guide cards and the like, consisting of a metal sheet folded to form opposite leaves, one of said leaves being apertured near the fold to disclose an index tab,

one of said leaves containing a circular opening inwardly dished at the margin, a corresponding integral tubular clenching flange, formed in the other leaf, adapted to be turned over the inwardly dished margin of said aperture, and when so turned lying inside the surface planes of the leaf.

Signed by me at Boston, Massachusetts, this twelfth day of October 1907.

DAVID E. HUNTER.

Witnesses:
CHARLES D. WOODBERRY,
JOSEPHINE H. RYAN.