No. 803,195. PATENTED OCT. 31, 1905.

H. SCHMIDT.

TYPE HOLDER.

APPLICATION FILED JULY 30, 1904.

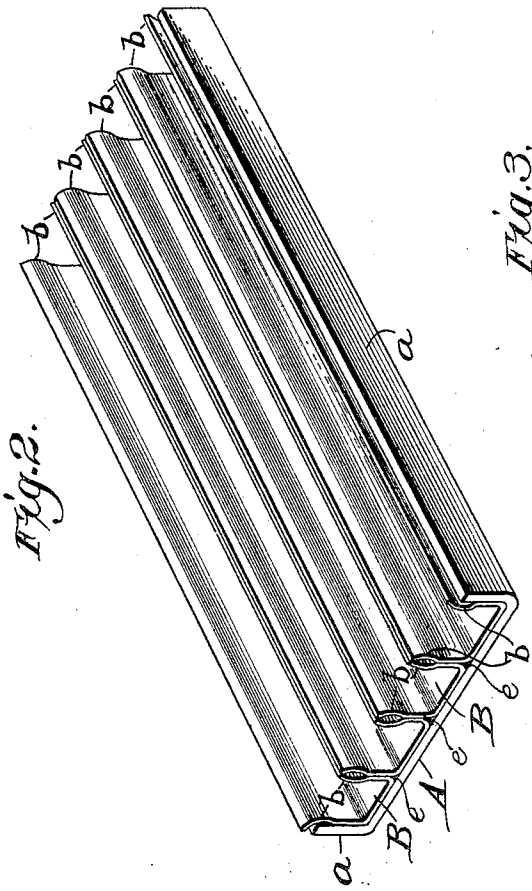


Fig. 2.

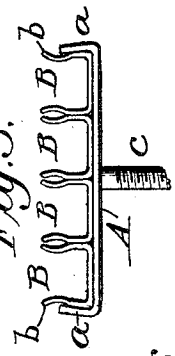


Fig. 3.

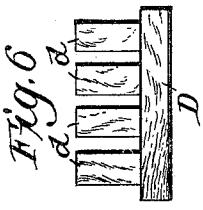


Fig. 6.

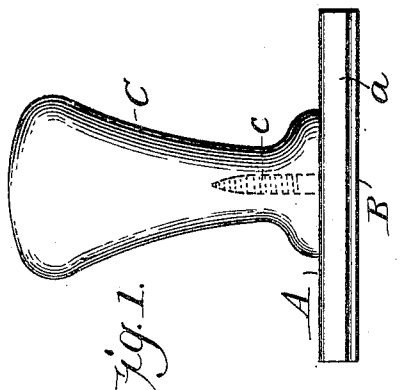


Fig. 1.

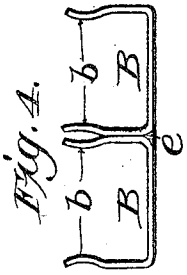


Fig. 4.

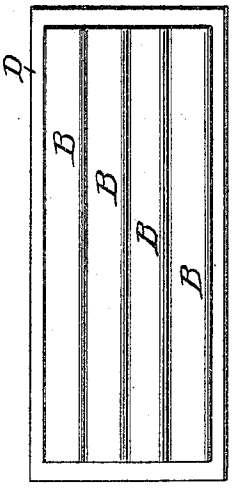


Fig. 5.

Witnesses

James F. Duhamel

William J. Finth

Henry Schmidt

Inventor

By his Attorney Henry Connett

ANDREW, B. GRAHAM CO., PHOTO-LITHOGRAPHERS, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HENRY SCHMIDT, OF NEW YORK, N. Y.

TYPE-HOLDER.

No. 803,195. Specification of Letters Patent. Patented Oct. 31, 1905.

Application filed July 30, 1904. Serial No. 218,869.

To all whom it may concern:

Be it known that I, HENRY SCHMIDT, a citizen of the United States, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Type-Holders, of which the following is a specification.

This invention relates to a holder for rubber type. This general form of holder ordinarily consists of a wooden block having on its back a suitable handle and on its face a plurality of strips of sheet metal bent up to form troughs or channels with clasping sides, such channels being disposed side by side and adapted to receive and hold single rubber types set up in rows.

The object of the present invention is to improve the construction of a holder for such type whereby it may be made stronger and cheaper and possess great durability.

In the accompanying drawings, which illustrate an embodiment of the invention and the preferred mode of carrying it into effect, Figure 1 is a side elevation of the completed holder. Fig. 2 is a perspective view, on a larger scale, showing the channels on the receiving-face of the holder. Fig. 3 is an end view of same. Fig. 4 is a constructive detail, on a larger scale, showing the manner of soldering together the metal channels of the holder. Fig. 5 is a plan and Fig. 6 an end view illustrating the manner of constructing the holder.

The holder consists of a flanged metal back-plate A, a plurality of metal type-channels B, and a handle C, secured to the back-plate by a screw *c*. (Indicated in dotted lines in Fig. 1.)

The details of construction will be best understood from a description of the preferred mode of putting the parts together. In Fig. 6, D is a wooden base on which are secured a plurality of strips of wood *d*. The trough-like channels B are made from sheet metal bent to the form best indicated in the end view, Fig. 4, their upright sides being bent inward slightly at *b*, so that by their resiliency they may clasp and hold the rubber types firmly by lateral pressure. These channels B are placed over the strips *d*, as seen in the plan, Fig. 5, and solder *e* (seen in Fig. 4) applied along the joints to secure the several channels together.

The back-plate A is formed of heavier metal than the channels B and has flanges *a* formed on its edges. This back-plate is now placed over the channels B and forced down thereon, the flanges *a* embracing the channels at opposite sides and fitting tightly and frictionally, so as to require no extraneous fastening devices. The screw *c*, which is primarily fixed upright in the back-plate, serves to secure the handle C to the latter.

The solder *e* merely secures the channels B together along their bases, leaving the upright sides of each channel free to spring and flex independently, and thus permit them to embrace the rubber types firmly but yieldingly. The embracing flanges *a* on the thicker metal of the backing-plate do not rise as high as the sides of the channels, but embrace the channels tightly, so that they cannot readily be detached.

The number and size of the channels B in the holder are not material to this invention.

Having thus described my invention, I claim—

1. A type-holder, consisting of a stiff backing-plate of resilient metal, having retaining-flanges which are inclined inward or toward each other, a handle on said backing-plate, and a type channel or channels of thinner sheet metal than the backing, the sides of the type-channel being free at their upper edges.

2. A type-holder, consisting of a stiff backing-plate of resilient metal, having retaining-flanges which are inclined inward or toward each other, a handle on said plate, and a plurality of trough-shaped type-channels made from sheet metal, disposed side by side and clamped firmly between the flanges on the backing-plate, said channels being secured rigidly together at their bases only, the sides of the channels being free to play at their upper edges.

3. The combination to form a holder for rubber type, of a backing-plate A of metal, having at its lateral margins inwardly-inclined clamping-flanges *a*, a handle C secured to said plate, and a plurality of trough-like sheet-metal type-channels B, disposed side by side and soldered together at their bases, and clamped laterally between the flanges *a* on the backing-plate.

4. A type-holder, consisting of sheet-metal

type-channels B, and a backing-plate having flanges along its margins which embrace the outer sides of the type-channels and shield them, said channels being connected together at their bottoms only, substantially as set forth.

In witness whereof I have hereunto signed my name, this 29th day of July, 1904, in the presence of two subscribing witnesses.

HENRY SCHMIDT.

Witnesses:
HENRY CONNETT,
WILLIAM J. FIRTH.